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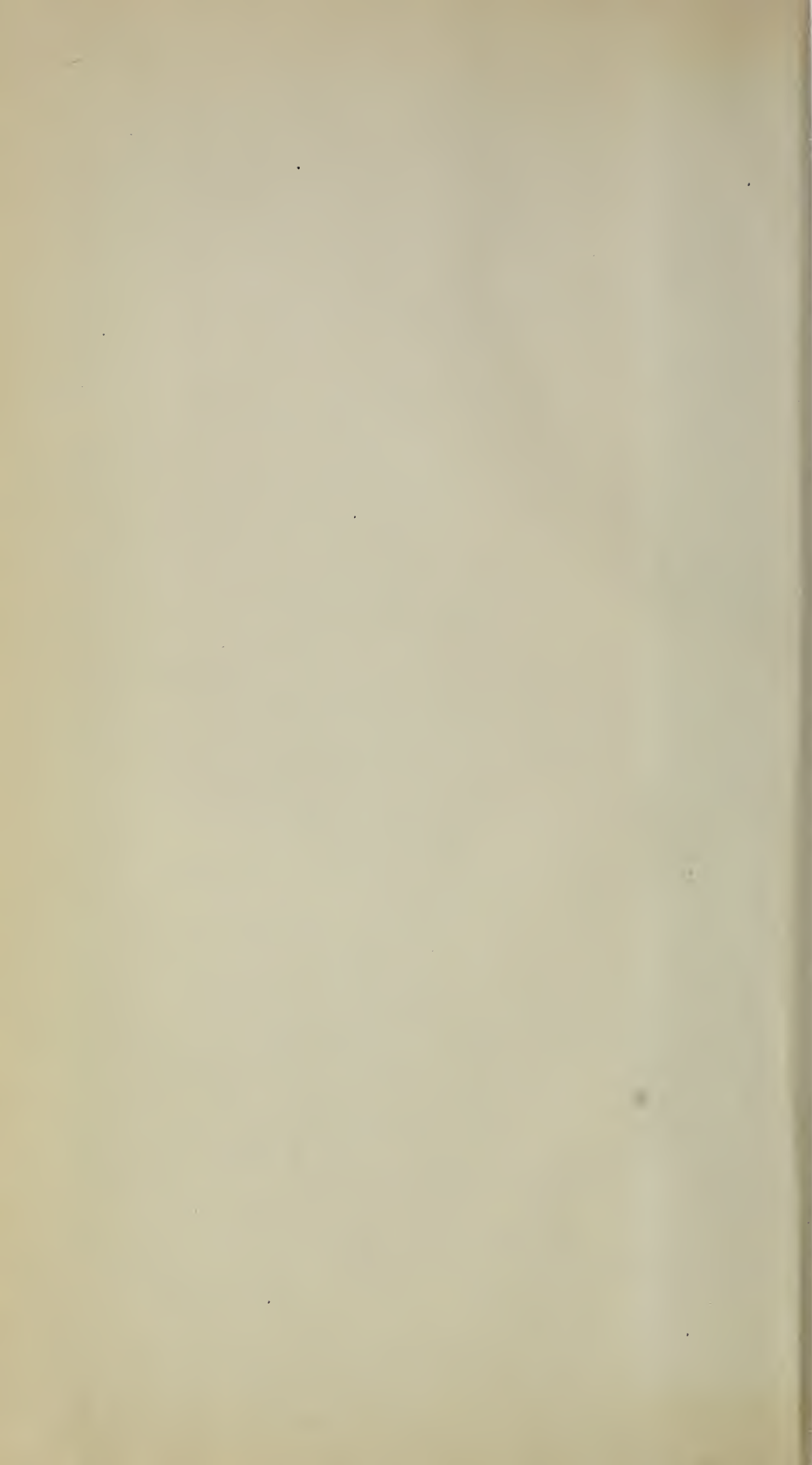


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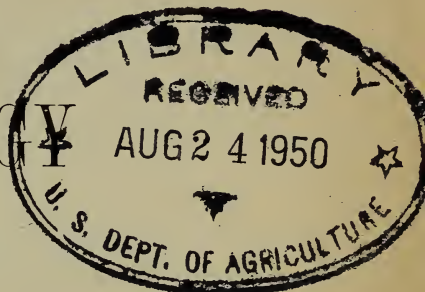
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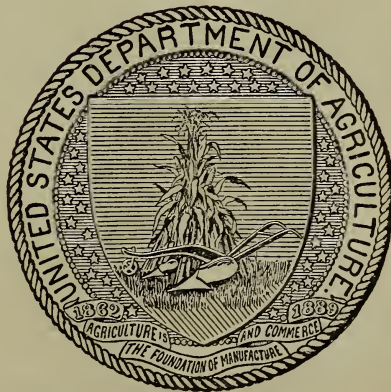
# ENTOMOLOGY

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## LETTER OF TRANSMITTAL.

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U. S. DEPARTMENT OF AGRICULTURE,

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*Washington, D. C., June 19, 1905.*

SIR: I have the honor to transmit herewith and to recommend for publication as Bulletin No. 55 of the Library of the Department a manuscript entitled "Catalogue of Publications relating to Entomology in the Library of the U. S. Department of Agriculture." The collection herein catalogued numbers 5,600 titles. Separates from entomological periodicals have not been included. This bulletin is the third contribution toward a subject catalogue of the Library.

Respectfully,

J. A. CLARK,  
*Librarian.*

Hon. JAMES WILSON,  
*Secretary of Agriculture.*

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## BIBLIOGRAPHY.

**Banks, Nathan.** Bibliography of the more important contributions to American economic entomology. Part 6—8. The more important writings published between June 30, 1888, and January 1, 1905. Washington, 1898—1905.

3 pts. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. [Publication])

Earlier parts completed by Samuel Henshaw.

**Banks, Nathan.** List of works on North American entomology. Washington, 1900.

95 pp. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, new ser., 24)

**Bethune, Charles James Stewart.** . . . Bibliography of Canadian entomology for the year 1900—03. Toronto, 1901—04.

4 nos. 25<sup>cm</sup>.

From the Transactions of the Royal society of Canada. 2d series—1901—1902, vol. VII, section IV; 1902—1903, vol. VIII, section IV; 1903—1904, vol. IX, section IV; 1904—1905, vol. X, section IV.

**Daday, Jenő.** A magyar állattani irodalom ismertetése 1881<sup>től</sup> 1890<sup>ig</sup> bezárólag tekintettel a külföldi állattani irodalom magyar vonatkozású termékeire is. Összeállította Dr. Daday Jenő. . . . Budapest, Kiadja a Kir. Magyar természettudományi társulat, 1891.

vii, 307 p. 26<sup>cm</sup>.

**Dimmock, George.** The writings of Samuel Hubbard Scudder. Comp. and ed. by George Dimmock. Cambridge, Mass., Published by the editor, 1879.

28 p. 24<sup>1</sup>/<sub>2</sub><sup>cm</sup>. (Dimmock's special bibliography, no. 3)

**Durrant, John Hartley.** List, with references, of Lord Walsingham's separata in the library of Nat. Mus. Washington. [n. p., 1899?]

1 p. l., 8 numb. l. 20<sup>cm</sup>.

Manuscript.

**Forbes, Stephen Alfred.** . . . An analytical list of the entomological writings of Wm. Le Baron, M. D., second state entomologist of Illinois. 1850—1874. [Springfield, Ill., 1891]

36 p. front. (port.) 22<sup>1</sup>/<sub>2</sub><sup>cm</sup>. (Appendix to the Seventeenth report of the State entomologist of Illinois)

**Glover, Townend.** Manuscript notes from my journal, or, Entomological index, to names, &c., in agricultural reports, with list of vegetable and animal substances injured or destroyed by insects, &c. . . . Washington, Written by Townend Glover; transferred to and printed from stone by J. C. Entwisle, 1877. Agr 3—1253

1 p. l., 103 l. 30<sup>cm</sup>.

**Hagen, Hermann August.** Bibliotheca entomologica. Die litteratur über das ganze gebiet der entomologie, bis zum jahre 1862. Von Dr. Hermann August Hagen . . . Leipzig, W. Engelmann, 1862-63. 2—19247

2 v. 23½<sup>cm</sup>.

Alphabetical by authors, with a classified subject index.

Additions and corrections: Kraatz, G. Ergänzungen und nachträge zu Hagen's Bibliotheca entomologica. 1. stück. (*In Berliner entomologische zeitschrift*, 1874, 18. jahrg., p. 209-226) Schmidt-Göbel, N. H. (*In Deutsche entomologische zeitschrift*, 1876, 20. jahrg., p. 145-160) Dalla Torre, K. W. von. Addenda und corrigenda III. (*In Entomologische nachrichten*, 1881, 7. jahrg., p. 45-48, 163-170)

**Henshaw, Samuel.** Bibliography of the more important contributions to American economic entomology. Part 1-5. Washington, 1890-96.

5 pts. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. [Publication])

CONTENTS.—pt. 1-3. The more important writings of Benjamin Dann Walsh and Charles Valentine Riley.—pt. 4-5. The more important writings of government and state entomologists, and of other contributors to the literature of American economic entomology.

Later parts comp. by Nathan Banks.

**Henshaw, Samuel.** Entomological writings of Dr. Alpheus Spring Packard. Washington, 1887.

49 pp. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin 16)

**Henshaw, Samuel.** . . . The entomological writings of George H. Horn. Comp. by Samuel Henshaw. Ed. by George Dimmock. Cambridge, Mass., Published by the editor, 1879.

1 p. l., 6 p. 24½<sup>cm</sup>. (Dimmock's special bibliography, no. 2)

**Henshaw, Samuel.** . . . The entomological writings of John L. Le Conte. Comp. by Samuel Henshaw. Ed. by George Dimmock. Cambridge, Mass., Published by the editor, 1878.

1 p. l., 11 p. 24½<sup>cm</sup>. (Dimmock's special bibliography, no. 1)

**Janet, Charles.** Notice sur les travaux scientifiques présentés par M. Charles Janet à l'Académie des sciences au concours de 1896 pour le prix Thore. [Lille, 1897?]

94 p. illus. 24½<sup>cm</sup>.

**List of publications by instructors and students in the Entomological laboratory, Leland Stanford junior university, from May, 1894, to May, 1901.** [Stanford university, 1901]

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Caption title.

**London, Entomological society of—Library.** Catalogue of the Library of the Entomological society of London. Ed. by G. C. Champion . . . assisted by R. McLachlan, F. R. S., and D. Sharp, F. R. S. London, Printed for the Society by Simmons and Botten, 1893.

2 p. l., 312 p. 23<sup>cm</sup>.

— — — Supplementary catalogue . . . Ed. by G. C. Champion . . . assisted by W. F. H. Blandford, F. Z. S., and R. McLachlan, F. R. S. London, Printed for the Society by R. Clay and sons, 1900.

2 p. l., 147 p. 23<sup>cm</sup>.

**Notice sur les travaux scientifiques de M. Paul Marchal, né à Paris le 27 septembre 1862 . . .** Paris, Typographie Firmin-Didot et cie [1899]

50, [1] p. illus. 27½<sup>cm</sup>.

**Osten Sacken, Karl Robert Romanovich, baron von.** Verzeichniss der entomologischen schriften von Camillo Rondani (als nachtrag und fortsetzung zu dem betreffenden artikel in H. A. Hagen's Bibliotheca entomologica) . . . [Wien, 1881]

8 p. 22<sup>cm</sup>.

Aus den Verhandlungen der K. K. Zoologisch-botanischen gesellschaft in Wien <jahrg. 1881> besonders abgedruckt [p. 337-344]

— — — Berichtigungen und zusätze. [Wien, 1884]

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**Percheron, Achille Remy.** Bibliographie entomologique, comprenant l'indication par ordre alphabétique de noms d'auteurs: 1° des ouvrages entomologiques publiés en France et à l'étranger, depuis les temps les plus reculés jusques et y compris l'année 1834; 2° des monographies et mémoires contenus dans les recueils, journaux et collections académiques françaises et étrangères; accompagnée de notices sur les ouvrages périodiques, les dictionnaires et les mémoires des sociétés savantes; suivie d'une table méthodique et chronologique des matières; par A. Percheron . . . Paris, J.-B. Baillièrre, 1837.

4-16814

2 v. 21½<sup>cm</sup>.

The principal writings of Dr. Charles Valentine Riley . . . [n. p., 1893?]

9 p. 22½<sup>cm</sup>.

**Scudder, Samuel Hubbard.** . . . The entomological libraries of the United States. By Samuel Hubbard Scudder . . . Republished from the Bulletin of the library of Harvard university, number 14. [Jan. 1880] Cambridge, Mass., University press: J. Wilson and son, 1880.

2-21318

cover-title, 6 p. 25<sup>cm</sup>. (Harvard university. Library. Bibliographical contributions, no. 11)

**Tepper, J. Gottlieb Otto.** List of principal papers, &c. By J. G. O. Tepper . . . [Adelaide, Vardon & Pritchard, printers, 1894?]

4 p. 22<sup>cm</sup>.

**United States—Dept. of agriculture—Division of entomology.** Enumeration of the published synopses, catalogues, and lists of North American insects; together with other information intended to assist the student of American entomology. Washington, 1888.

77 p. 23<sup>cm</sup>. (*Its* Bulletin 19)

**Van Duzee, Edward P.** Entomological writings by E. P. Van Duzee. [n. p., n. d.]

3 l. 21 x 16½<sup>cm</sup>.

Typewritten list of works.

**Yves, Aimé.** Notice sur les ouvrages scientifiques de M. Ernest Olivier . . . par MM. Yves et Francis Pérot. Montluçon, Imprimerie du "Centre médical," 1896.

8 p. 25<sup>cm</sup>.

## DICTIONARIES.

**Brooklyn entomological society.** Explanation of terms used in entomology . . . Brooklyn, N. Y., 1883.

1 p. l., 37, [1] p. 22<sup>cm</sup>.

From the Bulletin of the Brooklyn entomological society.

**Encyclopédie méthodique.** Histoire naturelle. Tome 4[-10] Insectes. Paris, Panckoucke; [etc., etc.] 1789-1825 [1828]

7 v. in 15. 27<sup>cm</sup>. and atlas of 397 (*i. e.* 398) pl. (1 double) 30<sup>cm</sup>.

Plates, accompanied by 142, 38 p. of explanatory text, bound in 4 v.

For further particulars of publication, etc., see Catalogue of the British museum (natural history), p. 527.

CONTENTS.—4 (tome 1 of Insects). Discours préliminaire et plan du dictionnaire des insectes, par M. Mauduyt. Introduction [and A-Bom], par M. Olivier. 1789.—5-8. Bom-Pap, par M. Olivier. 1790-1811 [1812].—9. Papillon, par M. Latreille et M. Godart. 1819[-24].—10. Pap-Z, par MM. Latreille, Le Peletier de Saint-Fargeau, Serville et Guérin. 1825[-28]



**Müller, Julius.** Terminologia entomologica. Ein handbuch sowohl für den angehenden entomologen als auch für den fachmann. Nach dem neuesten standpunkte dieser wissenschaft bearb. von Julius Müller . . . 2. aufl. Brünn, C. Wini-ker, 1872.

vi, 306 p. 33 pl. (1 col.) 19<sup>cm</sup>.

## GENERAL ENTOMOLOGY.

**Aldrovandus, Ulysses.** De animalibus insectis libri septem, cum singulorum iconibus ad viuum expressis. Autore Vlysse Aldrovando . . . Cum indice copiosis-simo . . . Bonon., apud I. B. Bellagambam, 1602.

5 p. l., 767, 43 p. illus., 1 port. 35½<sup>cm</sup>.

Engr. t.-p.

**Boitard, Pierre.** Manuel d'entomologie, ou Histoire naturelle des insectes, contenant la synonymie et la description de la plus grande partie des espèces d'Europe et des espèces exotiques les plus remarquables; par M. Boitard . . . Paris, Roret, 1828.

Agr 4—200

2 v. 14½<sup>cm</sup>.

**Bouché, Peter Friedrich.** Beiträge zur insectenkunde, von P. Fr. Bouché. (Bei der Akademie eingegangen im november und december 1833) . . . [Halle, 1835?]

16 p. 30<sup>cm</sup>.

Acta Acad. Cæs. Leop. Carol. nat. cur. vol. xvii. P. I.

**Bouvier, Eugène Louis.** Instructions pour la recherche des animaux articulés, par MM. E.-L. Bouvier & Ch. Brongniart. (Leçons faites au Muséum d'histoire naturelle) Autun, 1896.

2 p. l., 63 p. illus. 25<sup>cm</sup>.

"Extrait du Bulletin de la Société d'histoire naturelle d'Autun, t. 9 (année 1896)"

CONTENTS.—Introduction.—1. ptie. Myriapodes, arachnides et crustacés.—2. ptie. Insectes.

**Brauer, Friedrich.** Systematisch-zoologische studien . . . [Wien, 1885]

cover-title, 177 p. col. pl. 24<sup>cm</sup>.

Aus dem xci. bande der Sitzb. der Kais. Akad. der wissensch. I. abth. Mai-heft. Jahrgang 1885.

Bibliography: p. 143-147.

CONTENTS.—1. System und stammbaum.—2. Die unvermittelten reihen in der classe der insecten.—3. Betrachtungen über täuschende und wahre systematische ähnlichkeiten zur beurtheilung der stellung der apioceriden und pupiparen und über den werth der alten und neuen eintheilung der dipteren.

**Brehm, Alfred Edmund.** . . . Merveilles de la nature. Les insectes, les myriopodes, les arachnides et les crustacés. Éd. française, par J. Künckel d'Herculais . . . Paris, J.-B. Baillière et fils [pref. 1882]

Agr 3—1244

2 v. illus., xxxvi pl. 29½<sup>cm</sup>. (Les merveilles de la nature, l'homme et les animaux, par A. E. Brehm [v. 7-8])

[Vol. 2] has title: . . . Merveilles de la nature; Les insectes, les myriopodes, les arachnides.

**Buonanni, Philippo.** Observationes circa viventia, quæ in rebus non viventibus reperiuntur. Cum micrographia curiosa sive rerum minutissimarum observationibus, quæ ope microscopij recognitæ ad vivum exprimuntur. His accesserunt aliquot animalium testaceorum icones non aucta in lucem editæ. Omnia curiosorum naturæ exploratorum utilitati et iucunditati expressa et oblata . . . a patre Philippo Bonanni . . . Romæ, sumptibus F. A. Galleri [etc.] 1699.

xx, 342 p., 1 l., 106 p., 1 l. front., 59 pl. (partly fold.) 23<sup>cm</sup>.

**Burmeister, Hermann Carl Conrad.** De insectorum systemate naturali. Halis Saxonum, Typis Grunertorum patris filique [1829]

Agr 3—148

2 p. l., 40, [3] p. fold. tab. 19<sup>cm</sup>.

Inaug.-dis.—Halle.

**Burmeister, Hermann Carl Conrad.** Genera quædam insectorum. Iconibus illustravit et descripsit Hermannus Burmeister . . . Vol. 1 . . . Berolini, sumptibus A. Burmeister, 1838-46.

unp. 40 pl. (partly col.) 23<sup>cm</sup>.

No more published.

Issued in 7 parts. Title-page published with part 1-2 reads: Genera insectorum. Iconibus illustravit et descripsit Hermannus Burmeister . . . Vol. I. Rhynchota. Berolini, Burmeister et Stange, 1838.

**Burmeister, Hermann Carl Conrad.** Handbuch der entomologie, von Hermann Burmeister. Berlin, G. Reimer, 1832-55. Agr 3—1130

5 v. in 8. 4 fold tab. 21<sup>cm</sup> and atlas of 22, 4 p., 20 pl. (5 col.) 25½<sup>cm</sup>.

Vol. 2-5 pub. by C. F. Enslein.

CONTENTS.—1. bd. Allgemeine entomologie. 1832.—2. bd. Besondere entomologie. 1. abth. Schnabelkerfe. Rhynchota. 1835.—2. abth. Kaukerfe. Gymnognatha. (1. hälfte; vulgo Orthoptera.) 1838.—3. abth. Kaukerfe. Gymnognatha. (2. hälfte; vulgo Neuroptera.) 1839.—3. bd. Besondere entomologie, fortsetzung. Coleoptera Lamellicornia Melitophila. 1842.—4. bd. Besondere entomologie, fortsetzung. 1. abth. Coleoptera Lamellicornia Anthobia et Phyllophaga Systelochela. 1844. 2. abth. Coleoptera, Lamellicornia Phyllophaga Chænochela. 1855.—5. bd. Besondere entomologie, fortsetzung. Coleoptera Lamellicornia Xylophila et Pectinicornia. 1847.

**Castelnau, Francis L. de Laporte, comte de.** Études entomologiques, ou Description d'insectes nouveaux, et observations sur la synonymie; par F. L. de Laporte, comte de Castelnau . . . 1. partie. Carnassiers. Paris, Méquignon-Marvis père et fils, 1835. Agr 3—149

1 p. l., 159 p. 4 col. pl. 21½<sup>cm</sup>.

**Castelnau, Francis L. de Laporte, comte de.** Histoire naturelle des insectes coléoptères, par M. le comte de Castelnau . . . avec une introduction renferment l'anatomie et la physiologie des animaux articulés, par M. Brullé . . . Paris, P. Duméril, 1840.

3 v. plates. 21½<sup>cm</sup>. (*Half-title*: Histoire naturelle des animaux articulés, annélides, crustacés, arachnides, myriapodes et insectes.)

Vol. 3 has title: Histoire naturelle des insectes, orthoptères, névroptères, hémiptères, hyménoptères, lépidoptères et diptères, par M. Émile Blanchard . . .

**Charpentier, Toussaint de.** Horæ entomologicæ, adjectis tabulis, novem coloratis, auctore Toussaint de Charpentier . . . Wratislaviæ, Apud A. Gosohorsky, 1825.

xvi, 255 p., 3 l. ix pl. (partly col.). 28½<sup>cm</sup>.

"Notanda": p. [vii]—xi.

**Dallas, William Sweetland.** Elements of entomology: an outline of the natural history and classification of British insects. By William S. Dallas, F. L. S. London, J. van Voorst, 1857. Agr 4—957

vi p., 1 l., 424 p. illus. 20<sup>cm</sup>.

**Dalman, Johann Wilhelm.** Analecta entomologica, auctore Joh. Wilh. Dalman . . . Holmiæ, typis Lindhianis, 1823.

1 p. l., vii, 104, [4] p. iv pl. 26<sup>cm</sup>.

**Dalman, Johann Wilhelm.** . . . Ephemeridæ entomologicae. 1. Holmiæ, typis P. A. Norstedt, 1824.

2 p. l., 36 p. 22½<sup>cm</sup>.

**Drury, Dru.** Illustrations of exotic entomology, containing upwards of six hundred and fifty figures and descriptions of foreign insects, interspersed with remarks and reflections on their nature and properties. By Dru Drury. A new ed. brought down to the present state of the science, with the systematic characters of each species, synonyms, indexes, and other additional matter. By J. O. Westwood . . . London, H. G. Bohn, 1837. Agr 3—333

3 v. in 1. 29½<sup>cm</sup> and atlas of L (*i. e.* 51) pl. (50 col.) 32½<sup>cm</sup>.

**Duméril, André Marie Constant.** Considérations générales sur la classe des insectes. Par André-Marie-Constant Duméril . . . Paris, F. G. Levrault, 1823.

xii, 272 p. 60 col. pl. 22½<sup>cm</sup>.

**Duméril, André Marie Constant.** Entomologie analytique. Histoire générale, classification naturelle et méthodique des insectes à l'aide de tableaux synoptiques, par A.-M.-C. Duméril . . . Paris, Typographie de F. Didot frères fils et c<sup>ie</sup>, 1860.

2 v. illus., fold. tab. 27½cm.

Agr 4—342

Paged continuously; v. 1: 2 p. 1., xxii, 664 p.; v. 2: 2 p. 1., [665]—1339 p.

Extrait des Mémoires de l'Académie des sciences, t. xxxi.

**Duméril, André Marie Constant.** Exposition d'une méthode naturelle pour l'étude et la classification des insectes, présentée à la Société philomatique le 3 brumaire an 9; par C. Duméril . . . [Paris, 1801]

Agr 4—272

1 p. 1., 20 p. tables. 21½cm.

**Duncan, James.** . . . Entomology. Introduction to entomology. By James Duncan . . . London, H. G. Bohn, 1860.

Agr 3—47

4 p. 1., [17]—331 p. front. (port.) illus., 35 (*i. e.* 36) pl. (partly col.) 17½cm. (The naturalist's library.

Ed. by Sir William Jardine . . . [Reprint] vol. xxviii)

Engr. half t.-p.

Reprint of his Introduction to entomology. 1840.

"Memoir of Swammerdam": p. [17]—58.

"Memoir of de Geer": p. 59—66.

**Duncan, James.** Introduction to entomology. Comprehending a general view of the metamorphoses, external structure, anatomy, physiology, and systematic arrangement of the class insects. Illustrated by thirty-eight coloured plates, with memoirs of Swammerdam and de Geer. By James Duncan, M. W. S. Edinburgh, W. H. Lizars; [etc., etc.] 1840.

Agr 3—48

xv, [1], [17]—331. front. (port.) illus., 35 (*i. e.* 36) pl. (partly col.) 18cm. (The naturalist's library. Conducted by Sir William Jardine . . . [Entomology] vol. i)

Engr. half t.-p.

**Eiselt, Johann Nepomuk.** Geschichte, systematik und literatur der insectenkunde, von den ältesten zeiten bis auf die gegenwart. Als handbuch für den jünger und als repertorium für den meister der entomologie bearbeitet von M. Dr. Johann Nep. Eiselt . . . Leipzig, Bei C. H. F. Hartmann, 1836.

Agr 3—157

viii, 255 p. 3 fold. diagr. 21cm.

**Erichson, Wilhelm Ferdinand.** Entomographien, untersuchungen in dem gebiete der entomologie, mit besonderer benutzung der königl. sammlung zu Berlin, von W. F. Erichson . . . 1. heft. Berlin, F. H. Morin, 1840.

Agr 3—158

x p., 1 l., 180 p. ii pl. (1 col.) 21cm.

**Eschscholtz, Johann Friedrich.** Entomographien. Von J. Friedrich Eschscholtz . . . 1. lieferung. Berlin, G. Reimer, 1822.

128, iii p. ii col. pl. 23½cm.

**Fabricius, Johan Christian.** . . . Entomologia systematica emendata et aucta, secundum classes, ordines, genera, species, adjectis synonymis, locis, observationibus descriptionibus . . . Hafniae, impensis C. G. Proft, 1792—94.

4—6287—90

4 v. in 5. 21cm.

Vol. 3—4: Impensis C. G. Proft, fil. et soc.

Vol. 3 is in two parts.

— Index alphabeticus in J. C. Fabricii Entomologiam . . . Hafniae, apud Proft et Storch, 1796.

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175 p. 21cm. [*With his* Supplementum Entomologiae systematicae. Hafniae, 1798]

— . . . Supplementum Entomologiae systematicae. Hafniae, apud Proft et Storch, 1798.

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2 p. 1., 572 p. 21cm.

— Index alphabeticus in J. C. Fabricii Supplementum Entomologiae systematicae . . . Hafniae, apud Proft et Storch, 1799.

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52 p., 1 l. 21cm. [*With his* Supplementum Entomologiae systematicae. Hafniae, 1798]



**Fabricius, Johan Christian.** Ioh. Christ. Fabricii . . . Genera insectorum eorumque characteres naturales secundum numerum, figuram, situm et proportionem omnium partium oris, adiecta mantissa specierum nuper detectarum. Chilonii, Litteris M. F. Bartschii [1776]

Agr 4—37

8 p. l., 310 p. 19½cm.

**Fabricius, Johan Christian.** Ioh: Christ. Fabricii . . . Mantissa insectorum sistens eorum species nuper detectas adiectis characteribus genericis, differentiis specificis, emendationibus, observationibus. Hafniae, Impensis C. G. Proft, 1787.

2 v. 20½cm.

**Fabricius, Johan Christian.** Ioh. Christ. Fabricii . . . Philosophia entomologica sistens scientiae fundamenta adiectis definitionibus, exemplis, observationibus, adumbrationibus. Hamburgi et Kilonii, Impensis C. E. Bohnii, 1778.

7 p. l., 178 p. 20cm.

"Bibliotheca": p. [1]—17.

**Fabricius, Johan Christian.** Ioh. Christ. Fabricii . . . Species insectorum, exhibentes eorum differentias specificas, synonyma auctorum, loca natalia, metamorphosin, adiectis observationibus, descriptionibus . . . Hamburgi et Kilonii, Impensis C. E. Bohnii, 1781.

Agr 3—1250

2 v. 21cm.

**Fabricius, Johan Christian.** Io. Christ. Fabricii . . . Systema entomologiae, sistens insectorum classes, ordines, genera, species, adiectis synonymis, locis, descriptionibus, observationibus. Flensburgi et Lipsiae, In officina libraria Kortii, 1775.

Agr 3—1180

16 p. l., 832 p. 20cm.

Bound in 2 v.

**Fernald, Henry Torsey.** The relationships of arthropods, by H. T. Fernald . . . Baltimore, Press of I. Friedenwald, 1890.

[431]—513 p. XLVIII—L fold. pl. 23½cm.

Thesis (Ph. D.)—Johns Hopkins University.

"Bibliography": p. 501—508.

"Reprinted from Studies from the Biological laboratory, Johns Hopkins University, vol. iv, no. 7."

**Geer, Carl de.** Caroli lib. bar. de Geer . . . Genera et species insectorum e generosissimi avctoris scriptis extraxit, digessit, latine qvoad partem reddidit, et terminologiam insectorum Linneanam addidit Anders Iahan Retzius . . . Lipsiae, apud S. L. Crvsivm, 1783.

Agr 5—152

2 p. l., vi, [7]—220, 32 p. 19½cm.

**Geer, Carl de.** Mémoires pour servir à l'histoire des insectes. Par Charles de Geer . . . Stockholm, De l'imprimerie de L. L. Grefing, 1752—78.

7 v. in 8. plates. 25½cm.

Vol. 2-7: De l'imprimerie de P. Hesselberg.

**Geoffroy, Étienne Louis.** Histoire abrégée des insectes, dans laquelle ces animaux sont rangés suivant un ordre méthodique; nouvelle éd., rev., corrigée, & augm. d'un supplément considérable, par M. Geoffroy . . . Paris, C. Volland [etc.], an VII de la République Française [1799]

Agr 4—207

2 v. xxii pl., fold. tab. 24½cm.

**Guérin-Ménéville, Félix Édouard.** . . . Crustacés, arachnides et insectes, par F. C. Guérin Ménéville. [Paris, A. Bertrand, 1830]

2 p. l., xii, 9—319 p. 31cm. and atlas of 27 col. pl. 49½cm. (Voyage autour du monde, exécuté par ordre du roi, sur la corvette de Sa Majesté, La Coquille, pendant les années 1822, 1823, 1824 et 1825 . . . et publié . . . par M. L. I. Duperrey . . . Zoologie, par M. Lesson. Tome 2. 2. partie. 1. division)

**Guérin-Ménéville, Félix Édouard.** Genera des insectes, ou, Exposition détaillée de tous les caractères propres à chacun des genres de cette classe d'animaux; par E. Guérin et A. Percheron. 1<sup>re</sup> série. Ordres et familles. Paris, Méquignon-Marvis père et fils; [etc., etc.], 1835—38.

unp. 60 col. pl. 25cm.

Published in 6 livraisons.

**Guérin-Ménéville, Félix Édouard.** Iconographie du règne animal de G. Cuvier, ou, Représentation d'après nature de l'une des espèces les plus remarquables, et souvent non encore figurées, de chaque genre d'animaux. Avec un texte descriptif mis au courant de la science. Ouvrage pouvant servir d'atlas à tous les traités de zoologie, Par M. F. E. Guérin Ménéville. . . . Insectes. Paris, Londres, J. B. Baillière, 1829-1838 [1844].

[3]-576 p. front. (port.) 104 col. pl. 23<sup>cm</sup>.

**Herbst, Johann Friedrich Wilhelm.** Kurze einleitung zur kenntniss der insecten, für ungeübte und anfänger. Berlin und Stralsund, G. A. Lange, 1784-87. 3 v. col. plates. 23<sup>cm</sup>.

Added col. t.-p. in each v.: Natürliche abbildung der merkwürdigsten insecten nach ihren geschlechtern, fortgesetzt von I. F. W. Herbst, gezeichnet von D. F. Sotzmann. Berlin, G. A. Lange, 1784-86.

The history of insects . . . London, The Religious tract society, 1839. Agr 3-1135 xii, 192 p. front., illus., plates. 13<sup>1</sup>/<sub>4</sub><sup>cm</sup>.

**Jardine, Sir William, ed.** The naturalist's library. Conducted by Sir William Jardine . . . Entomology . . . Edinburgh, W. H. Lizars; [etc., etc.] 1835-41.

7 v. 7 front. (port.) illus., pl. (partly col.) 18<sup>cm</sup>.

Agr 3-3

Engr. half t.-p. in each volume.

CONTENTS.—v. 1. Duncan, J. Introduction to entomology. 1840.—v. 2. Duncan, J. The natural history of beetles. 1835.—v. 3. Duncan, J. The natural history of British butterflies. 1835.—v. 4. Duncan, J. The natural history of British moths. 1836.—v. 5. Duncan, J. The natural history of foreign butterflies. 1837.—v. 6. [Dunbar, W. The natural history of bees. 1839]—v. 7. Duncan, J. The natural history of exotic moths. 1841.

**Jekel, Henri.** Fabricia entomologica; recueil d'observations nouvelles sur les insectes; monographies, révisions de groupes et de genres, classifications, synonymies et rectifications, descriptions de genres nouveaux et d'espèces nouvelles, &<sup>a</sup>, par H. Jekel . . . Paris, Autographie typomorphe de H. Jekel, 1853. Agr 4-1880

4 p. l., 249 p. fold. tab. 22<sup>1</sup>/<sub>4</sub><sup>cm</sup>.

Issued in 3 pts., 1854-59.

Paging irregular: no. 184 bis-ter inserted.

**Kirby, William.** . . . A certury of insects, including several new genera described from his cabinet. By the Rev. William Kirby . . . Read November 4, 1817. [London, 1818]

375-482 p. 3 col. pl. 27<sup>1</sup>/<sub>4</sub><sup>cm</sup>.

Linnean society of London. Transactions, v. 12, p. 375-482.

**Kirby, William.** . . . A description of such genera and species of insects alluded to in the "Introduction to entomology" of Messrs. Kirby and Spence, as appear not to have been before sufficiently noticed or described . . . [London, 1825]

563-572 p. 28<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

From Transactions of the Linnean society of London. Vol. xiv.

**Kirby, William.** An introduction to entomology: or Elements of the natural history of insects: with plates. By William Kirby . . . and William Spence . . . London, Printed for Longman, Hurst, Rees, Orme, and Brown, 1818-26.

4 v. 2 front. (port.) xxx pl. (partly col.) fold. tab. 22<sup>cm</sup>.

Vol. 1, 3d ed., 1818; v. 2, 2d ed., 1818; v. 3-4, [1st ed.,] 1826.

Another copy, v. 1, 4th ed., 1822; v. 2, 3d ed., 1823, v. 3-4 [1st ed.,] 1826.

**Kleemann, Christian Friedrich Carl.** Christian Friedrich Carl Kleemanns . . . Beyträge zur natur- und insecten-geschichte . . . Nürnberg, Zu finden in der Raspischen buchhandlung, 1792-93.

2 v. in 1. front. (port.) 72 col. pl. 22<sup>1</sup>/<sub>4</sub><sup>cm</sup>.

CONTENTS.—1 th., worinnen verschiedene papilions . . . nach dem leben abgebildet worden. Als ein anhang zu den Roselischen insecten-belustigungen. 1792.—2 th. fortgesetzt von Christian Schwarz. 1793.

**Klug, Johann Christoph.** Entomologische monographien, von Dr. Fr. Klug . . . Berlin, G. Reimer, 1824.

[iii]-xiv, [2], 242 p. x col. pl. 21<sup>1</sup>/<sub>4</sub><sup>cm</sup>.



**Knoch, August Wilhelm.** Beiträge zur insektengeschichte, von August Wilhelm Knoch . . . Leipzig, Im Schwickertschen verlage, 1781-83.

3 v. 19 col. pl. 22<sup>cm</sup>.

**Knoch, August Wilhelm.** Neue beyträge zur insectenkunde . . . Von August Wilhelm Knoch . . . 1. th. Leipzig, Im Schwickertschen verlage, 1801.

xii, 208 p. 9 pl. (8 col.) 22<sup>cm</sup>.

**Kolbe, Hermann Julius.** Einführung in die kenntnis der insekten, von H. J. Kolbe . . . Berlin, F. Dümmler [1889]-93. Agr 3-1140

xii, viii, 709 p. 324 illus. 21½<sup>cm</sup>.

Published in 14 hefte.

"Litteratur" at ends of chapters.

**Kolenati, Friedrich August.** Meletemata entomologica, auctore D<sup>re</sup>. Friderico A. Kolenati . . . Petropoli [sumtibus Imperialis academïe scientiarum] 1845-[59]

8 fasc. plates (partly col.) 23<sup>cm</sup>.

Fasc. 6-8 reprinted from Bulletin de la Société impériale des naturalistes de Moscou. v. 29-32, 1856-59.

**Lacordaire, Jean Théodore.** Introduction à l'entomologie, comprenant les principes généraux de l'anatomie et de la physiologie des insectes, des détails sur leurs mœurs et un résumé des principaux systèmes de classification proposés jusqu'à ce jour pour ces animaux; par M. Th. Lacordaire . . . Paris, Librairie encyclopédique de Roret [etc.] 1834-38.

2 v. 24 pl. (3 col.) 21<sup>cm</sup>.

**Latreille, Pierre André.** Considérations générales sur l'ordre naturel des animaux composant les classes des crustacés, des arachnides, et des insectes; avec un tableau méthodique de leurs genres, disposés en familles. Par P. A. Latreille . . . Paris, J. Schoell, 1810. Agr 4-211

444 p. 20½<sup>cm</sup>.

**Latreille, Pierre André.** Cours d'entomologie, ou de l'histoire naturelle des crustacés, des arachnides, des myriapodes et des insectes; à l'usage des élèves de l'école du Muséum d'histoire naturelle; par M. Latreille . . . 1. année . . . Paris, Roret, 1831. Agr 4-212

[vi]-xiii, 568 p. 21½<sup>cm</sup>. and atlas of 2 p. l., 26 p., 1 l., 24 pl. 23½<sup>cm</sup>.

No more published.

**Latreille Pierre André.** . . . Genera crustaceorum et insectorum secundum ordinem naturalem in familias disposita, iconibus exemplisque plurimis explicata . . . Parisiis et Argentorati, A. Koenig, 1806-09. Agr 4-213

4 v. 16 pl. 20½<sup>cm</sup>.

**Latreille, Pierre André.** Histoire naturelle, générale et particulière des crustacés et des insectes. Ouvrage faisant suite aux œuvres de Leclerc de Buffon, et partie du cours complet d'histoire naturelle rédigé par C. S. Sonnini . . . Paris, De l'imprimerie de F. Dufart, an x-xiii [1802-1805]

14 v. cxii col. pl. 21½<sup>cm</sup>.

Plates bound separately.

Vol. 1-2, an xii [1804]; v. 3-4, an x [1802]; v. 5-6, an xi [1803]; v. 7-13, an xii [1804]; v. 14, an xiii [1805]

**Latreille, Pierre André.** Précis des caractères génériques des insectes, disposés dans un ordre naturel. Par le citoyen Latreille. Paris, Prévôt; [etc., etc.] an 5 [1796] xiii, [1], 201, [7] p. 1 fold. tab. 20½<sup>cm</sup>. Agr 3-193

**Linné, Karl von.** Caroli Linnæi Entomologia, Faunæ suecicæ descriptionibus aucta; DD. Scopoli, Geoffroy, de Geer, Fabricii, Schrank, &c. speciebus vel in systemate non enumeratis, vel nuperrime detectis, vel speciebus Galliae australis locupletata, generum specierumque rariorum iconibus ornata; curante & augente Carolo de Villers . . . Lugduni, sumtibus Piestre et Delamolliere, 1789. Agr 4-215

4 v. xi (i. e. 12) fold pl., xi fold. tab. 21<sup>cm</sup>.

**Linné, Karl von.** . . . Fundamenta entomologiæ . . . Upsaliæ, 1767 (*In his* . . . Amoenitates academicæ . . . Ed. 2. Erlangæ, 1785-90. 21<sup>cm</sup>. v. 7 (1789) p. 129-159)

**Merian, Maria Sibylla.** Histoire générale des insectes de Surinam et de toute l'Europe, contenant leurs descriptions, leurs figures, leurs différentes métamorphoses, de même que les descriptions de plantes, fleurs & fruits, dont ils se nourrissent, & sur lesquels on les trouve le plus communément; avec quelques détails sur les crapauds, lézards, serpens, araignées, & autres petits animaux de Surinam, peints sur les lieux d'après nature & gravés avec soin, par Mademoiselle Marie Sybille de Merian, en deux parties in-folio, 3. ed. rev., corrigée, & considérablement augmentée, par M. Buch'oz . . . à laquelle on a joint une troisième partie qui traite des plus belles fleurs, telles que des plantes bulbeuses, liliacées, caryophyllées, &c., avec leur description exacte, leur culture, & leurs propriétés. Ouvrage intéressant pour les amateurs de l'histoire naturelle, et unique en son genre . . . Paris, L. C. Desnos, 1771.

v. 1-2. front., 119 pl. 54<sup>cm</sup>.

Tome 1 contains LXXII pl.

Tome 2 contains CLXXII figures on 47 leaves.

Wanting plate XXX of tome 1.

CONTENTS.—tome 1. Des plantes de Surinam.—tome 2. Des plantes de l'Europe.

**Motschulsky, Victor.** Études entomologiques, rédigées par Victor de Motschulsky . . . [1.]—11. année. Helsingfors, Imprimerie de la Société de littérature finnoise, 1853-62.

11 pts. in 1 v. 5 pl. 21<sup>cm</sup>.

10.-11. année; Dresde, Impr. de F. Thomass.

**Murtfeldt, Mary Esther.** Outlines of entomology. Prepared for the use of farmers and horticulturists. At the request of the secretary of the State board of agriculture and the State horticultural society of Missouri. By Mary E. Murtfeldt . . . Jefferson City, Mo., Tribune printing company, state printers and binders, 1891.

1 p. l., ii, [3]-132, iii p. illus. 23½<sup>cm</sup>.

Also in Thirty-third annual report of the State horticultural society of Missouri, 1890, p. [451]-582.

The natural history of insects . . . London, J. Murray, 1829-35. Agr 3-1143  
2 v. illus. 16<sup>cm</sup>. (On cover: The family library, no. VII, LI)

**Newman, Edward.** The grammar of entomology. By Edward Newman. London, F. Westley and A. H. Davis, 1835. Agr 4-953

xvi, 304 p. illus., iv pl. (2 col.) 17<sup>cm</sup>.

**Packard, Alpheus Spring.** Dr. Brauer's views on the classification of insects . . . [Philadelphia, 1885]  
999-1001 p. 22<sup>cm</sup>.

American naturalist extra, October, 1885. vol. XIX.

**Ray, John.** Historia insectorum. Autore Joanne Raio . . . Opus posthumum jussu Regiæ societatis Londinensis editum. Cui subjungitur appendix de Scarabæis britannicis, autore M. Lister . . . Londini, Impensis A. & J. Churchill, 1710.  
xv, 400 p. 23<sup>cm</sup>.

**Réaumur, René Antoine Ferchault de.** Mémoires pour servir à l'histoire des insectes. Par M. de Réaumur . . . Paris, De l'imprimerie royale, 1734-42.

6 v. 267 pl. 26<sup>cm</sup>.

Agr 4-222

For number of volumes cf. Hagen, Bibliotheca entomologica, bd. 2, p. 64.

CONTENTS.—tome 1. Sur les chenilles et sur les papillons. 1734.—tome 2. Suite de l'histoire des chenilles & des papillons; et l'histoire des insectes ennemis des chenilles. 1736.—tome 3. Histoire des vers mineurs des feuilles, des teignes, des fausses teignes, des pucerons, des ennemis des pucerons, des faux pucerons, & l'histoire des galles des plantes, & de leurs insectes. 1737.—tome 4. Histoire des gallinsectes, des progallinsectes, & des mouches à deux ailes. 1738.—tome 5. Suite de l'histoire des mouches à deux ailes, & l'histoire de plusieurs mouches à quatre ailes, savoir, des mouches à scies, des cigales, & des abeilles. 1740.—tome 6. Suite de l'histoire des mouches à quatre ailes, avec un supplément à celle des mouches à deux ailes. 1742.

**Rennie, James.** . . . Insect miscellanies. London, C. Knight, [etc., etc.] 1831.

Agr 3-1149

xii, 414 p. illus. 17½<sup>cm</sup>. (The Library of entertaining knowledge [vol. XXIII-XXIV, published under the superintendence of the Society for the diffusion of useful knowledge])

**Riley, Charles Valentine.** Entomology . . . [n. p.] 1876.

[281]–289 p. 23<sup>cm</sup>.

From Ware's valley monthly, August, 1876.

**Römer, Johann Jacob.** Genera insectorum Linnæi et Fabricii iconibus illustrata a Joanne Jacobo Römer. Vitoduri Helvetorum, apud H. Steiner et socios, 1789.

viii, 86, [3] p. xxxvii pl. (36 col.) 29<sup>cm</sup>.

Col. title vignette.

**Rösel von Rosenhof, August Johann.** Die monatlich-herausgegebenen insecten-belustigung . . . von dem vortreflichen naturforscher und berühmten mignaturmahler August Johann Rösel von Rosenhof. Mit einer vorrede, in welcher von dem nutzen der insecten gehandelt, was sie seyen gezeiget, und von der eintheilung derselben nachricht gegeben wird, von dem Röselischen eidam und mignaturmahler C. F. C. Kleemann mit vielen neuen beobachtungen und anmerkungen hin und wieder vermehrt und verbessert. Nürnberg, Zu finden bey den Röselischen erben, gedruckt bey J. J. Fleischmann, [1746–1761]

4 v. fronts. (3 col.) incl. port., col. pl. 22½<sup>cm</sup>.

CONTENTS.—1. th., in welchen die in sechs classen eingetheilte papilionen . . . nach dem leben abgebildet worden.—2. th., welcher acht classen verschiedener sowohl inländischer, als auch einiger ausländischer insecten enthält . . .—3. th., worinnen ausser verschiedenen, zu denen in den beeden ersten theilen enthaltenen classen, gehörigen insecten, auch mancherley arten von acht neuen classen . . . nach dem leben abgebildet vorgestellt worden . . .—4. th., in welchem ausser verschiedenen in- und ausländischen insecten, auch die hiesige grosse kreuz-spinne . . . von dem verstorbenen vortreflichen mignaturmahler, Herrn August Johann Rösel, von Rosenhof, nebst einer zuverlässigen nachricht von den lebens-umständen des seel. verfassers, beschrieben und mit anmerkungen hrsg. von C. F. C. Kleemann . . .

For supplement, see Kleemann, C. F. C. . . . Beyträge zur natur- und insecten- geschichte.

**Sahlberg, Carl Reinhold.** Periculi entomographici, species insectorum nondum descriptas proposituri, fasciculus. Auctore Car. Regin. Sahlberg . . . Cum tabuli iv æneis. Aboæ, typis Frenckellorum, 1823.

Agr 3—202

1 p. l., 82, [1] p. iv pl. 19½<sup>cm</sup>.

**Sajó, Karl.** Ueber entomologische beobachtungen . . . Berlin, 1898.

7 pts. 30<sup>cm</sup>.

From Prometheus. jahrg. ix, pp. 641–646, 657–662, 674–679.

**Samouelle, George.** The entomologist's useful compendium; or an introduction to the knowledge of British insects, comprising the best means of obtaining and preserving them, and a description of the apparatus generally used; together with the genera of Linné, and the modern method of arranging the classes Crustacea, Myriapoda, spiders, mites, and insects, from their affinities and structure, according to the views of Dr. Leach . . . By George Samouelle . . . London, T. Boys, 1819.

496 p. 12 pl. (incl. front.) 20½<sup>cm</sup>.

Authors quoted: p. [11]–15.

— — — London, Longman, Hurst, Rees, Orme, Brown, and Green, 1824.

1 p. l., 496 p. 12 pl. (incl. front.) 20<sup>cm</sup>.

Authors quoted: p. [11]–15.

**Schaeffer, Jacob Christian.** Jacobi Christiani Schaeffer . . . Elementa entomologica. cxxxv tabulæ ære excusæ floridisque coloribus distinctæ . . . Jacob Christian Schaeffers . . . Einleitung in die insectenkenntnis. cxxxv ausgewahlte kupfertafeln. Regensburg, gedruckt mit Weissischen schriften, 1766.

unp. cxxxv col. pl. incl. front. 27½<sup>cm</sup>.

Plates with three exceptions printed on both sides of leaves.

**Sharp, David.** Insects, pt. i. Introduction, Aptera, Orthoptera, Neuroptera, and a portion of Hymenoptera (Sessiliventres and Parasitica) By David Sharp . . . (In The Cambridge natural history, ed. by S. F. Harmer and A. E. Shipley. London and New York, 1895. 23<sup>cm</sup>. v. 5, p. [81]–565. illus.)



**Sharp, David.** Insects, pt. II. Hymenoptera continued (Tubulifera and Aculeata), Coleoptera, Strepsiptera, Lepidoptera, Diptera, Aphaniptera, Thysanoptera, Hemiptera, Anoplura. By David Sharp . . . London, New York, Macmillan and co., limited, 1901. 5—12144-5

xii, 626 p. illus. 23<sup>cm</sup>. (*Half-title*: The Cambridge natural history, ed. by S. F. Harmer . . . and A. E. Shipley. vol. VI)  
— — — Reprint, 1901.

**Smith, John Bernhard.** An essay on the classification of insects. [New York, 1897]

7 p. 26½<sup>cm</sup>.

Reprinted from Science, n. s., vol. v, no. 122, pp. 671-677, April 30, 1897.

**Sopp, E. J. Burgess** Address to the Lancashire & Cheshire entomological society delivered at the Royal institution, Liverpool, on January 14th, 1901, by vice-president E. J. Burgess Sopp . . . n. p. [1901]

14 p. 21½<sup>cm</sup>.

Caption title.

Cover title: Lancashire and Cheshire entomological society. Session 1900. Annual address by vice-president E. J. Burgess Sopp . . .

**Sulzer, Johann Heinrich.** Dr. Sulzer's Abgekürzte geschichte der insecten nach dem Linaeischen system. Winterthur, H. Steiner u. comp., 1776.

2 pts. in 1 v. xxxii col. pl. 27<sup>cm</sup>.

Pt. 1, text; pt. 2, plates.

Engr. t.-p.

**Summers, Henry Elijah.** Insect keys [by] H. E. Summers. Orders of hexapoda. [n. p., n. d.]

unp. 22<sup>cm</sup>.

**Swainson, William.** On the history and natural arrangement of insects, by William Swainson & William E. Shuckard . . . London, Longman, Brown, Green & Longman's [1840]

3 p. l., 406 p. illus. 17<sup>cm</sup>.

Engr. t.-p.

**Swammerdam, Jan.** The book of nature; or, The history of insects: reduced to distinct classes, confirmed by particular instances, displayed in the anatomical analysis of many species, and illustrated with copper-plates, including the generation of the frog, the history of the ephemerus, the changes of flies, butterflies, and beetles; with the original discovery of the milk-vessels of the cuttle-fish, and many other curious particulars. By John Swammerdam, m. d. with the life of the author, by Herman Boerhaave, m. d. Tr. from the Dutch and Latin original ed., by Thomas Filloyd. Rev. and improved by notes from Reaumur and others, by John Hill, m. d. London, Printed for C. G. Seyffert, 1758.

2 p. l., xx, [8], 236, 153, lxiii, [2] p. liii pl. 41<sup>cm</sup>.

**Swammerdamm, Jan.** Johannis Swammerdamii . . . Historia insectorum generalis . . . adjicitur Dilucidatio . . . Ex Belgica Latinam fecit Henricus Christianus Henninius . . . Ed. 2. Ultrajecti, ex officina O. de Vries, 1693.

10 p. l., 212, [17] p. xiii pl. (10 fold.) fold. tab. 20½<sup>cm</sup>.

**Tabular view of the orders & leading families of insects.** [London] Printed for the Society for promoting Christian knowledge [1858]

4 fold. pl. 26<sup>cm</sup>.

Aggr 4—232

**Taschenberg, Ernst Ludwig.** Die insekten, tausendfüßler und spinnen, von Dr. E. L. Taschenberg. Mit 277 abbildungen im text und 21 tafeln von Emil Schmidt. Leipzig, Verlag des Bibliographischen instituts, 1877.

xxx p., 1 l., 711 p. illus., 21 pl. 26<sup>cm</sup>. (*Added t.-p.*: Brehm's thierleben. Allgemeine kunde des thierreichs. Grosse ausgabe. 2. umgearb. und verm. aufl. 4. abth. Wirbellose thiere. 1. bd.)

*Half-title*: Brehms thierleben. 9. bd.

**Tepper, J. Gottlieb Otto.** Insects and insect-lore, an introduction to the study of entomology. A paper before the South Australian gardeners' society, 1901 . . . Adelaide, 1902.

10, [1] p. illus. 25<sup>cm</sup>.

Reprinted from the "Garden and field."

**Tepper, J. Gottlieb Otto.** List of named insects in the South Australian museum, Adelaide, by J. G. O. Tepper . . . [n. p., 1888?-92?] Agr 4—3619

5 pts. 26-27<sup>cm</sup>.

Caption title.

**Thomson, Carl Gustaf.** Opuscula entomologica, edidit C. G. Thomson. Fasciculus primus [—XXI<sup>MUS</sup>] Lund, Tryckt i Lundbergska boktryckeriet, 1869-96.

21 pts. in 3 v. 3 pl. 22<sup>cm</sup>.

Paged continuously: 2404 p.

Imprint of fasc. 2-3: Lund, Tryckt på H. Ohlssons boktryckeri, 1870; fasc. 4-5: Berlingska boktryckeriet, 1871-73; fasc. 6-7: F. Berlings boktryckeri och stilgjuteri, 1874-75; fasc. 8: Trelleborg, Sandberg & Jönssons boktryckeri, 1877; fasc. 9-13: Lundæ, typis expressit H. Ohlsson, 1883-89; fasc. 14-21: typis expressit E. Malmström, 1891-96.

**Thomson, James.** Archives entomologiques ou Recueil contenant des illustrations d'insectes nouveaux ou rares, par M. James Thomson . . . Paris, Au bureau du trésorier de la Société entomologique de France, 1857-58. Agr 4—1785

2 v. col. fronts., 35 pl. (28 col.) 27<sup>cm</sup>.

"Voyage au Gabon" forms v. 2.

**United States—Dept. of agriculture.** Entomologie pratique pour les fils de cultivateurs. Manière de recueillir et de conserver les insectes, tr. par Louis Quaedyliog . . . Bruxelles, 1875.

25 p. illus. 23<sup>cm</sup>.

"Extrait du Report of the Commissioner of agriculture for the year 1868. Washington, 1869."

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**Walckenaer, Charles Athanase, baron.** Histoire naturelle des insectes. Aptères, par M. le baron Walckenaer . . . Paris, Roret, 1837-47.

4 v. 21½<sup>cm</sup>. and atlas of 24 p., 52 pl. 24½<sup>cm</sup>. [Suites à Buffon]

Vol. 3 by Paul Gervais; v. 4 by Walckenaer & Paul Gervais.

**Waterhouse, Charles Owen.** Aid to the identification of insects. Ed. by Charles Owen Waterhouse. Lithographs by Edwin Wilson . . . London, E. W. Janson, 1880-90.

2 v. 189 col. pl. 21<sup>cm</sup>.

Issued in 30 pts.

Vol. 2, lithographs by Edwin Wilson and Maud Horman-Fisher.

**Westwood, John Obadiah.** Arcana entomologica; or, Illustrations of new, rare, and interesting insects. By J. O. Westwood . . . London, W. Smith, 1845. Agr 3—372

2 v. in 1. 95 pl. 24<sup>cm</sup>.

**Westwood, John Obadiah.** An introduction to the modern classification of insects; founded on the natural habits and corresponding organisation of the different families. By J. O. Westwood . . . London, Longman, Orme, Brown, Green, and Longmans, 1839-40. Agr 3—1155

2 v. col. front. (v. 1). illus. 23<sup>cm</sup>.

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xxiv, 205 p. 40 pl. (partly col.) 35½<sup>cm</sup>.

"Obituary notice of the Rev. Fred. Wm. Hope . . . by T. J. Pettigrew" . . . p. xvii-xxi.

"List of the entomological works of the Rev. F. W. Hope": p. xxii-xxiv.

**Wilson, James.** A treatise on insects, general and systematic; being the article "Entomology," from the seventh edition of the *Encyclopædia britannica* . . . By James Wilson . . . Edinburgh, A. and C. Black; [etc., etc.] 1835. Agr 4—966

327 p. ccxx-ccxxxix pl. 28<sup>cm</sup>.

"Notices regarding the principal authors in entomology, and their works": p. [5]—57.

**Wotton, Edward.** *Insectorum sive minimorum animalium theatrum: olim ab Edoardo Wottono, Conrado Gesnero, Thomaque Pennio inchoatum: tandem Tho. Moufeti Londinatis operâ sumptibusq; maximis concinnatum, auctum, perfectum: et ad vivum expressis iconibus supra quingentis illustratum.* Londini, ex officinâ typographicâ T. Cotes, 1634. Agr 4—3631

10 p. l., 326, [4] p. illus. 30<sup>cm</sup>.

Engr. t.-p.

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pt. 1—26. plates (partly col.) 33<sup>cm</sup>.

CONTENTS.—1. fasc. Coleoptera, fam. Gyrinidæ, par M. Régimbart. 1902.—2. fasc. Hymenoptera, fam. Evaniidae, par l'abbé J.-J. Kieffer. 1902.—3. fasc. Coleoptera Clavicornia, fam. Lathridiidae, par le R. P. Belon. 1902.—4. fasc. Lepidoptera Rhopalocera, fam. Papilionidae, subfam. Leptocircinæ, par P. Wytzman. 1902.—5. fasc. Lepidoptera Rhopalocera, fam. Libytheidae, von A. Pagenstecher. 1902.—6. fasc. Lepidoptera Rhopalocera, fam. Papilionidae, subfam. Papilioninæ, sect. Troides Hübner, by Robert H. F. Rippon. 1902.—7. fasc. Coleoptera Lamellicornia, fam. Geotrupidae, par A. Boucomont. 1902.—8. fasc. Coleoptera Heteromera, fam. Hylophilidae, par M. Pic. 1902.—9—10. fasc. Hymenoptera, fam. Cynipidae, par W. von Dalla Torre et J. J. Kieffer. 1.—2. fasc. 1902.—11. fasc. Hymenoptera, fam. Mutillidae, par Ernest André. 1903.—12—12d fasc. Coleoptera Serricornia, fam. Buprestidae, par C. Kerremans. 4 fasc. 1902—03.—13. fasc. Coleoptera Malacodermata, fam. Cleridae, von S. Schenkling. 1903.—14—14b fasc. Coleoptera Phytophaga, sect. Eupoda, fam. Sagridæ, by Martin Jacoby. 2 fasc. 1903.—15. fasc. Orthoptera, fam. Eumastacidae, by M. Burr. 1903.—16. fasc. Lepidoptera Heterocera, fam. Epicopiidae, by A. Janet & P. Wytzman. 1903.—17a—17d. fasc. Lepidoptera Rhopalocera, fam. Hesperidae, par P. Mabille. 1903—04.—18c fasc. Hymenoptera, fam. Ichneumonidae, subfam. Ichneumoninae, par l'abbé V. Berthoumieu. 1904.—19. fasc. Hymenoptera, fam. Vespidae, von Prof. Dr. K. W. Dalla Torre. 1904.—20. fasc. Lepidoptera Rhopalocera, fam. Nymphalidae, subfam. Brassoliniæ, par H. Stichel. 1904.—21. fasc. Coleoptera Phytophaga, fam. Donacidae, by Martin Jacoby & H. Clavareau. 1904.—22a—b fasc. Hymenoptera, fam. Braconidae, von Gy. v. Szépligeti. 2 fasc. 1904.—23. fasc. Coleoptera Phytophaga, fam. Crioceridae, by M. Jacoby & H. Clavareau. 1904.—24. fasc. Heteroptera, fam. Pentatomidae, subfam. Scutellerinae, par H. Schouteden. 1904.—25. fasc. Isoptera, fam. Termitidae, par Jules Desneux. 1904.—26. fasc. Diptera, fam. Culicidae, by F. V. Theobald. 1905.

**Xamheu, Vincent.** . . . *Mœurs et métamorphoses d'insectes*, par le capitaine Xamheu . . . Lyon, A. Rey, 1892—1903.

pts. 1—12. 22<sup>cm</sup>—27½<sup>cm</sup>.

Place and publisher vary: 2. mémoire, Lyon, Impr. L. Jacquet; 3., 9. mémoire, Caen, Typographie-lithographie A. le Boyteux; 4. mémoire, Paris, Au siège de la Société [entomologique de France]; 8. mémoire, Moulins, Impr. É. Auclaire; 12. mémoire, Paris, Au secrétariat de l'Association [française pour l'avancement des sciences]

1.—2., 5., 7., 10.—11. mémoires, extraites des Annales de la Société linnéenne de Lyon. 3., 9. mémoires, extraites de la Revue d'entomologie. 4. mémoire, extraite des Annales de la Société entomologique de France, année 1894, vol. LXIII. 6. mémoire, from Revue linnéenne. 12. mémoire, from Association française pour l'avancement des sciences.

## TEXTBOOKS.

**Bruner, Lawrence.** A preliminary introduction to the study of entomology. Together with a chapter on remedies, or methods that can be used in fighting injurious insects; insect enemies of the apple tree and its fruit, and the insect enemies of small grains. By Lawrence Bruner . . . Lincoln, Nebraska, J. North & co., printers, 1894. Agr 3—1129

322 p. illus. 22½<sup>cm</sup>.

"The first part of this book is practically the same as his [Bruner's] report for 1893 as entomologist to the [Nebraska] State board of agriculture."—Pref.

"Insect enemies of the apple tree and its fruit. Extracted from the Nebraska state horticultural report for 1894:" pp. 154—223.

"The insect enemies of small grains. Extracted from the annual report of the Nebraska state board of agriculture for 1892": pp. 360—466.



**Burmeister, Hermann Carl Conrad.** A manual of entomology, tr. from the German of Dr. Herman Burmeister. By W. E. Shuckard, M. E. S., with additions by the author, and original notes and plates by the translator . . . London, E. Churton, 1836.

Agr 4—3500

xii, 654 p. col. front., 32 pl. (7 col.) 23<sup>cm</sup>.

**Carpenter, George Herbert.** Insects, their structure & life, a primer of entomology, by George H. Carpenter . . . London, J. M. Dent & co., 1899.

xi, [1], 404 p. illus. 19<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

"References to literature:" p. [379]—392.

**Comstock, John Henry.** Insect life, an introduction to nature-study and a guide for teachers, students, and others interested in out-of-door life. By John Henry Comstock . . . with many original illustrations engraved by Anna Botsford Comstock . . . New York, D. Appleton and company, 1897.

3 p. l., 349 p. illus., vi pl. 19<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

"Books on insects:" p. 336—340.

— — — New York, D. Appleton and company, 1901.

1—8190

3 p. l., 349 p. col. front., illus., plates (partly col.) 21<sup>cm</sup>.

**Comstock, John Henry.** An introduction to entomology by John Henry Comstock . . . with many original illustrations drawn and engraved by Anna Botsford Comstock. Ithaca, N. Y., Pub. by the author, 1888.

iv, 234 p. illus. 23<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

Preface is headed "Preface to part I" and states that other chapters will be published.

**Comstock, John Henry.** A manual for the study of insects, by John Henry Comstock and Anna Botsford Comstock . . . Ithaca, N. Y., Comstock publishing company, 1895.

x, 701 p. col. front., illus. plates. 24<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

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vii p., 2 l., 701 p. front. illus. 24<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

**Hunter, Samuel John.** Elementary studies in insect life, by Samuel J. Hunter . . . Topeka, Kans., Crane & company, 1902.

2—19189

xviii, 344 p. col. front., illus., col. pl. 20<sup>cm</sup>.

**Hyatt, Alpheus.** . . . Insecta. By Alpheus Hyatt and J. M. Arms. Boston, D. C. Heath & co., 1890.

Agr 3—1136

[iii]—xxiii, 300 p. illus. XIII fold. pl., fold. diagr. 16<sup>cm</sup>. (Boston society of natural history. Guides for science-teaching. no. VIII.)

**Kirby, William Forsell.** Elementary text-book of entomology, by W. F. Kirby . . . 2d ed. revised and augmented, with 87 plates containing over 650 figures. London, S. Sonnenschein and co.; New York, Macmillan and co., 1892.

2 p. l., viii, 281 p., 1 l. front., LXXXVI pl. 23<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

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32 p. illus. 16<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

**Packard, Alpheus Spring.** Entomology for beginners, for the use of young folks, fruit-growers, farmers, and gardeners, by A. S. Packard . . . 2d ed., rev. New York, H. Holt and company, 1889.

xvi, 367 p. illus. 19<sup>cm</sup>.

"The entomologist's library": p. [326]—335.

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viii, 702 p. illus., 11 pl. 23<sup>1</sup>/<sub>2</sub><sup>cm</sup>

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**Rörig, Georg Friedrich Carl.** Leitfaden für das studium der insekten und entomologische unterrichtstafeln. Von Dr. G. Rörig . . . Berlin, R. Friedländer & sohn, 1894.

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2 p. l., 43, [1] p. VIII pl. 24cm.

**Woodworth, Charles William.** Laboratory manual for the course in elementary and economic entomology at the University of California, by C. W. Woodworth. Berkeley, Cal., published by the author, 1893.

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unp. 23½cm.

Interleaved.

## POPULAR ENTOMOLOGY.

**Badenoch, L. N.** Romance of the insect world, by L. N. Badenoch, with illustrations by Margaret J. D. Badenoch and others. . . . New York and London, Macmillan and co., 1893.

xviii, 341 p. incl. front., illus. 18½cm.

**Badenoch, L. N.** True tales of the insects, by L. N. Badenoch . . . with forty-four illustrations by Margaret J. D. Badenoch. New York, E. P. Dutton & co.; London, Chapman & Hall, ld., 1899.

xviii, 255 p. incl. front., illus., plates. 23cm.

[**Budgen, L. M.**] Episodes of insect life. By Acheta Domestica, M. E. S. . . . London, Reeve, Benham, and Reeve, 1849-51.

3 v. col. fronts., illus. (partly col.) 20cm.

[**Budgen, L. M.**] Insect life. By Acheta Domestica (M. E. S.) Ed. and rev. by the Rev. J. G. Wood . . . London, Bell and Daldy, [n. d.].

xv, 430 p., 1 l. col. illus. 22½cm.

**Comstock, Anna Botsford.** Ways of the six-footed, by Anna Botsford Comstock . . . Boston, Ginn & company, 1903.

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xii, 152 p. incl. illus., 1 pl. 19cm.

"Illustrations by W. C. Baker and O. L. Foster, and the author."

**Figuier, Louis.** Les insectes, par Louis Figuier, ouvrage illustré de 592 figures dessinées d'après nature par Mesnel, E. Blanchard et Delahaye et de vingt-quatre grandes compositions par E. Bayard . . . 2. éd. Paris, L. Hachette et cie., 1869.

2 p. l., 580 p. incl. illus., plates., front. 24cm. (Half-title: Tableau de la nature, ouvrage illustré à l'usage de la jeunesse. La vie et les mœurs des animaux)

**Howard, Leland Ossian.** The insect book. A popular account of the bees, wasps, ants, grasshoppers, flies and other North American insects, exclusive of the butterflies, moths and beetles, with full life histories, tables and bibliographies, by Leland O. Howard . . . New York, Doubleday, Page & company, 1901. 1—19809

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Bibliography: p. 405-416.



**Life in the insect world:** or, Conversations upon insects, between an aunt and her nieces . . . Philadelphia, Lindsay & Blakiston, 1844. Agr 3—1141  
vii [9]—241 p. incl. plates., front. 17½cm.

**McCook, Henry Christopher.** Tenants of an old farm; leaves from the notebook of a naturalist. By Henry Christopher McCook . . . with an introduction by Lord Avebury (Sir John Lubbock). Illustrated from nature. Rev. ed.—10th thousand. Philadelphia, G. W. Jacobs & co.; London, Hodder & Stoughton [1902] xv, [9]—460 p. front., illus. 19cm. 3—177  
Original copyright, 1844.

**Packard, Alpheus Spring.** Half hours with insects. By A. S. Packard, jr. . . . Boston, Estes and Lauriat, 1877. viii, 384 p. illus., 2 pl. (1 col.) 20cm.

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viii, [iii]—xvi, 17—225 p. incl. illus., front. 20cm.

"This little volume mainly consists of a reprint of a series of essays which appeared in the "American naturalist" (vols. I-V, 1867-71)"—Pref.

— Boston, Estes and Lauriat [pref. 1873]

Agr 3—1146

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"This little volume mainly consists of a reprint of a series of essays which appeared in the "American naturalist" (vols. I-V, 1867-71)"—Pref.

**Remarkable insects.** London, Religious tract society [n. d.]

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**Sutherland, Harvey.** The book of bugs, by Harvey Sutherland. New York and London, Street & Smith [1902] . 2—21997

1 p. l., 223 p. illus. 19½cm.

**Weed, Clarence Moores.** Life histories of American insects, by Clarence Moores Weed . . . New York, London, The Macmillan company, 1897.

xii, 272 p. incl. front. (pl. I), illus., II—XXI pl. 13½cm.

**Weed, Clarence Moores.** Nature biographies; the lives of some every-day butterflies; moths; grasshoppers, by Clarence Moores Weed . . . with 150 photographic illustrations by the author. New York, Doubleday, Page & co., 1901. 1—13730

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## GEOGRAPHICAL DISTRIBUTION.

**Howard, Leland Ossian.** The spread of land species by the agency of man; with special reference to insects. An address by vice-president Leland O. Howard, chairman of section F, before the section of biology American association for the advancement of science, Detroit meeting, August, 1897 . . . Salem, Mass., Salem press co., 1897.

26 p. 23cm.

**Krüger, Leopold.** Insektenwanderungen zwischen Deutschland und den Vereinigten Staaten von Nordamerika und ihre wirtschaftliche bedeutung. Von Leopold Krüger. Hrsg. vom Entomologischen vereine zu Stettin. Stettin, Kommissionsverlag von R. Friedländer & sohn in Berlin, 1899.

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**Müller, Albert.** On the dispersal of non-migratory insects by atmospheric agencies by Albert Müller . . . Basle, Printed by G. A. Bonfantini, 1877.

16 p. 21½cm.

"Reprinted from Trans. Ent. soc. Lond. 1871." Part II (May) pp. 175-186."

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154-158 p. 25<sup>cm</sup>.

From Proceedings of the American association for the advancement of science. 16th meeting 1867.

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1 p. l., [807]-840 p. 29<sup>cm</sup>.

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**Sajó, Karl.** Das wandern der insecten . . . Berlin, 1899.

6 pts. illus. 30<sup>cm</sup>.

From Prometheus. jahrg. x, p. 737-741, 758-761, 770-772, 785-789, 802-806, 817-821.

**Tutt, James William.** The migration & dispersal of insects. By J. W. Tutt. London, E. Stock, 1902.

Agr 4-235

1 p. l., 132 p. 21<sup>cm</sup>.

## NOMENCLATURE.

**British association for the advancement of science.** The revised rules of zoological nomenclature, adopted by the British association in 1865, with notes by A. E. Verrill. New Haven, 1869.

cover-title, 20 p. 23½<sup>cm</sup>.

From the American journal of science and arts, vol. XLVIII, July, 1869.

**Le Conte, John Lawrence.** Rules [for entomological nomenclature] to be submitted to the Entomological club of the A. A. A. S. <Ordered printed by resolution at the annual meeting for 1876> [n. p., 1876?]

6 p. 26½<sup>cm</sup>.

Report signed by J. L. Le Conte, Wm. Saunders, and C. V. Riley.

**Lewis, W. Arnold.** A discussion of the law of priority in entomological nomenclature; with strictures on its modern application; and a proposal for the rejection of all disused names. By W. Arnold Lewis . . . Also containing a paper by the same, read before the British association (section D) on August 7, 1871; and a second, by the same, intended as a contribution to the discussion in the 'Entomologist's monthly magazine.' London, Williams & Norgate, 1872.

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**Scudder, Samuel Hubbard.** Historical sketch of the generic names proposed for butterflies, a contribution to systematic nomenclature, by Samuel H. Scudder . . . Salem, Naturalists' agency, 1875.

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**Walsingham, Thomas De Grey, 6th lord.** Rules for regulating nomenclature with a view to secure a strict application of the law of priority in entomological work, comp. by Lord Walsingham and John Hartley Durrant. London, New York and Bombay, Longmans, Green, and co., 1896.

18 p. 21½<sup>cm</sup>.

## AQUATIC INSECTS.

**Branden, Constant van den.** Catalogue des coléoptères carnassiers aquatiques. *See under Coleoptera*, p. 182.

**Miall, Louis Compton.** The natural history of aquatic insects, by L. C. Miall, F. R. S., with illustrations by A. R. Hammond, F. L. S. London and New York, Macmillan and co., 1895.

ix p., 1 l., 395 p. illus. 19<sup>cm</sup>.

**Needham, James George** . . . Aquatic insects in New York state; a study conducted at the entomologic field station, Ithaca, N. Y., under the direction of Ephraim Porter Felt . . . By James G. Needham . . . Alex D. MacGillivray . . . O. A. Johannsen . . . K. C. Davis . . . Albany, University of the state of New York, 1903. 3—28300

1 p. l., [199]—517 p. illus., 52 pl. (partly col.) 23<sup>cm</sup>. (New York state museum. Bulletin 68. Entomology [no.] 18.)

CONTENTS.—pt. 1. Needham, J. G. Station work of the summer of 1901.—pt. 2. Needham, J. G. Food of brook trout in Bone Pond.—pt. 3. Needham, J. G. Life histories of Odonata suborder Zygoptera.—pt. 4. Needham, J. G. Some new life histories of Diptera.—pt. 5. MacGillivray, A. D. Aquatic Chrysomelidæ and a table of the families of coleopterous larvæ.—pt. 6. Johannsen, O. A. Aquatic nematoceros Diptera.—pt. 7. Davis, K. C. Sialididæ of North and South America.

**Packard, Alpheus Spring.** Notes on salt-water insects, no. III. [Philadelphia, 1884.]

826-828 p. illus. 22<sup>cm</sup>.

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“[The] first article . . . appeared in the Proceedings of the Essex institute, Salem, VI, 1869; a second article was published in the American journal of science, 1, Feb. 1871,

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**Garman, Harrison.** An undescribed larva from Mammoth Cave . . . [Salem, Mass., 1891]

5, [3] p. incl. III pl. 24<sup>3</sup>/<sub>4</sub><sup>cm</sup>.

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**Lespés, Charles.** Note sur quelques insectes des grottes de l'Ariège . . . [Paris, 1857.

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**Packard, Alpheus Spring.** The invertebrate cave fauna of Kentucky and adjoining states. Salem, 1875.

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From the American naturalist, vol. IX, May, 1875.

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93-97 p. 24<sup>3</sup>/<sub>4</sub><sup>cm</sup>.

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[193]—[198] p. illus. 22<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

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**Chaumeton, François Pierre.** Essai d'entomologie médicale, présenté et soutenu à l'École spéciale de médecine de Strasbourg, le 21 floréal an XIII, à 3 heures après midi; par F. Chaumeton . . . Strasbourg, De l'impr. de Levrault, 1805.

2 p. l., 34 p. 26<sup>cm</sup>.

Agr 4—264

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4 pts. 23<sup>cm</sup>.

CONTENTS.—heft. 1. Sarcopsylla, Pulex, Acanthia, Pediculidæ. 1899.—heft. 2. Demodex, Leptus, Dermanyssus, Argas, Ixodes, Pediculoides, Tetranychus, Tyroglyphus and diverse pseudoparasiten. 1899.—heft. 3. Diptera (musciden und oestriden), Sarcophila, Sarcophaga, Calliphora, Anthomyia,



Musca, Lucilia, Teichomyza, Compsomyia, Hypoderma, Dermatobia, Ochromyia. 1899.—heft. 4. *Sarcoptes scabiei* (von Wichmann bis 1899). Deutschland, Frankreich, England, Nordamerika, Niederlande, Scandinavien, Italien, etc.—Synonymik, etymologie, iconographie. Norwegische krätze. *Psoræ bestiarum*. Anhang (symbiotes felis) 1900.

**Johnson, Wyatt Galt.** On the medico-legal application of entomology. By Wyatt Johnston . . . and Geo. Villeneuve . . . Montreal, 1897.

10 p. folded tab. 25<sup>cm</sup>.

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7 p. 23<sup>cm</sup>.

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**Yovanovitch, Georges P.** Entomologie appliquée à la médecine légale (avec 5 planches) par le Dr. Georges P. Yovanovitch . . . Paris, Librairie Ollier-Henry, 1888.

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## FOSSIL INSECTS.

**Brongniart, Charles J. E.** . . . Note rectificative sur quelques diptères tertiaires et en particulier sur un diptère des marnes tertiaires (miocène inférieur) de Chadrat (Auvergne), la *Protomyia Oustaleti* qui devra s'appeler *Plecia Oustaleti* . . . Lille, 1878.

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Extrait du Bulletin scientifique du Département du Nord. 1<sup>re</sup> année, no. 4, avril, 1878, p. 73.

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Fasc. 1–12 (n. 1–300) 32½<sup>cm</sup>.

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At head of title: Société nationale d'agriculture de France . . .

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39 p., 1 l. 2 col. pl. 25<sup>cm</sup>.

Appendix: Empoisonnement des *Cleonus* par le chlorure de baryum par M. J. Moravek: p. 35-36.

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"... 'Introduction' was first printed as a separate pamphlet by the Cambridge (England) university press, and was dated January 30, 1901. This second edition is a reprint of the first, and the principal change introduced consists in the mode of reference to the chapters ... which ... appear now collected in pt. II."

Pt. 3 issued separately, published at Heidelberg.

CONTENTS.—pt. 1, Introduction.—pt. 2. Twenty-four chapters on historical, biographical, critical, and purely entomological subjects connected with my work.—pt. 3. List of my entomological publications from 1854 to 1904.

**Packard, Alpheus Spring.** Charles Valentine Riley. New York, 1895.

[745]-751 p. 27cm.

From Science. n. s. vol. II.

**Planchon, Jules Émile.** Notice sur M. Jules Pagézy . . . Lyon, 1883.

8 p. 21cm.

Extrait de la Vigne américaine, tome VII, n° de janvier 1883.

**Planchon, Jules Emile.** Notice sur MM. Louis Bazille & Jules Lichtenstein.

. . . [Lyon] 1886.

7 p. 21½cm.

Extrait de la Vigne américaine, n° de décembre 1886.

**Planchon, Louis.** Jules Lichtenstein. Lettre adressée à Messieurs les membres de la Société d'étude des sciences naturelles de Nîmes . . . Nîmes, 1887.

cover-title, 12 p. 21½cm.

Extrait du Bulletin de la Société d'étude des sciences naturelles de Nîmes, 5. année, 1887.

**Powell, George R.** Frederick Valentine Melsheimer, a pioneer entomologist, and a noted clergyman and author. A paper read before the Historical society of York County, April 8, 1897. By George R. Prowell. [York, Penna., 1903]

cover-title, 17-26 p. 21½cm.

**Riley, Charles Valentine.** Darwin's work in entomology . . . [Washington, 1882]

70-80 p. 23½cm.

From Proceedings of the Biological society of Washington. vol. I.

**Sabatier, Armand.** Jules Lichtenstein, discours prononcé sur sa tombe au nom de la Société d'horticulture et d'histoire naturelle de l'Hérault, le 2 décembre 1886 par M. Armand Sabatier . . . Liste de ses publications dressée en partie par lui-même complétée par MM. J. E. Planchon et Valéry-Mayet. Louis Bazille, discours prononcé sur sa tombe le 27 novembre 1886 par J. E. Planchon. Montpellier, 1887.

32 p. 21½cm.

Extrait des Annales de la Société d'horticulture et d'histoire naturelle de l'Hérault (année 1887)

**Scudder, Samuel Hubbard.** Biographical notice of David Humphreys Storer . . . [Boston, 1893]

388-391 p. 24½cm.

Reprinted from the Proceedings of the American academy of arts and sciences, vol. XXVII.

**Scudder, Samuel Hubbard.** . . . The services of Edward Burgess to natural science . . . [Boston, 1892]

[358]-364 p. 24cm.

From the Proceedings of the Boston society of natural history, vol. XXV, December 16, 1891.

"List of the natural history writings of Edward Burgess:" p. 362-364.

**Silbermann, Gustave.** Énumération des entomologistes vivans, suivie de notes sur les collections entomologiques des principaux musées d'histoire naturelle d'Europe, sur les sociétés d'entomologie, sur les recueils périodiques consacrés à l'étude des insectes, et d'une table alphabétique des résidences des entomologistes. Par G. Silbermann . . . Paris, Roret; [etc. etc.] 1835.

v, 115, [1] p. 21½cm.

**Wilder, Burt Green.** [William Stebbins Barnard] [Philadelphia, 1887]

1136-1137 p. 23cm.

Extracted from the American naturalist, December, 1887. vol. XXI.



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**Bargagli, Piero, marchese.** . . . Insetti commestibili. Lettura fatta nell' adunanza della Società entomologica italiana la sera del 7 marzo 1877. Firenze, 1877.

11 p. 24<sup>cm</sup>.

Estratto dalla Revista europea; Revista internazionale, del fascicolo 16 giugno 1877, anno 8, vol. II, fasc. V.

**Berg, Carlos.** . . . Canibalismo entre insectos. [Buenos Aires, 1892]

4 p. 25<sup>cm</sup>.

From Anal. Soc. cient. argent., t. XXXIV, p. 386-388. 1892.

**Brauer, Friedrich.** Insecten-leben im winter. Ein vortrag gehalten im Vereine zur verbreitung naturwissenschaftlicher kenntnisse in Wien am 22. märz 1871, von Friedr. Brauer. Wien, Selbstverlag des vereines, 1871.

Agr 5—812

25 p. 18½<sup>cm</sup>.

**Entomology in the National museum.** [New York] 1885.

445-446 p. 25<sup>cm</sup>.

From Science, vol. VI, no. 146.

**Gadeau de Kerville, Henri.** Les insectes phosphorescents avec quatre planches chromolithographiées, par Henri Gadeau de Kerville . . . Rouen, Impr. L. Deshays, 1881.

Agr 3—1058-9

55 p. iv col. pl. 22½<sup>cm</sup>.

— Les insectes phosphorescents, notes complémentaires et bibliographie générale (anatomie, physiologie et biologie) par Henri Gadeau de Kerville. Rouen, Impr. J. Lecerf, 1887.

Agr 3—1058-9

132 p., 1 l., [2] p. 22½<sup>cm</sup>.

**Garman, Harrison.** Entomology in the southern states. (U. S. Agriculture, Dept. of—Experiment stations, Office of. Bulletin 99. Washington, 1901. p. 153-160)

**Glover, Townend.** Entomological exhibition in Paris. (U. S. Agriculture, Commissioner of. Report . . . for the year 1865. Washington, 1866. p. 88-102)

**Glover, Townend.** . . . Petition of Professor Townend Glover proposing to transfer to the government certain entomological works, with the engraved plates prepared to illustrate the various species of insects of the North American continent . . . Washington, 1879.

5 p. 23<sup>cm</sup>. ([U. S.] 45th Cong., 3d sess., Senate. Misc. doc. no. 38)

**Glover, Townend.** Vindication of the Entomological and Museum divisions of the Department of agriculture. Washington, 1872.

7 p. 18½<sup>cm</sup>.

**Halford, Frederic Michael.** Dry fly entomology, a brief description of leading types of natural insects serving as food for trout and grayling with the 100 best patterns of floating flies and the various methods of dressing them, by Frederic M. Halford . . . London, Vinton & co., limited, 1897.

1 p. l., xii, 314 p. illus., xxviii pl. (x col.) fold. tab. 22½<sup>cm</sup>.

**Howard, Leland Ossian.** Division of entomology. (U. S. Agriculture, Dept. of. Yearbook, 1897. Washington, 1898. p. 84-89)

**Hummel, Arvid David.** Essais entomologiques. No. I. Quelques observations sur la blatte germanique. Nouv. éd. [St.-Petersbourg, 1829]

21, [1] p. 21<sup>cm</sup>.

"Liste alphabétique des ouvrages. p. 17-21."

With this is published a title-page for tome I (no. I-vi)

— — No. V. Quelques réflexions sur l'étude de l'histoire naturelle. Insectes de 1825 . . . St.-Petersbourg, 1826.

2 p. l., 51 p. 22<sup>cm</sup>.

— — No. VII. tome 2. no. I. St.-Petersbourg, 1829.

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7 p. 25<sup>cm</sup>.

**Langley, Samuel Pierpont.** . . . On the cheapest form of light from studies at the Alleghany observatory. By S. P. Langley and F. W. Very . . . [New Haven, 1890]

[97]-113 p. III-V pl. 23½<sup>cm</sup>.

From the American journal of science, vol. XL, August, 1890.

**Löw, Franz.** Ueber die bewohner der schwalbennester und die metamorphose der Tinea spretella S. V. . . . [Vienna] 1861.

6 p. 22½<sup>cm</sup>.

Aus den Verhandlungen der K. K. zoologisch-botanischen gesellschaft in Wien <jahrg. 1861> besonders abgedruckt.

**Macleay, William Sharp.** . . . Remarks on the identity of certain general laws which have been lately observed to regulate the natural distribution of insects and fungi . . . London, 1825.

46-68 p. 28<sup>cm</sup>.

From the Transactions of the Linnean society of London. vol. XIV.

**Notes** upon additions to the museum of the South Australian public library, museum, and art gallery, by "an amateur naturalist." Concluded. A continuation of the "notes" published in 1887 . . . Adelaide, W. H. Thomas & co., printers, 1889.

iii-vi, 42 p. 27<sup>cm</sup>.

Reprinted from The South Australian register and Adelaide observer.

**Ormerod, Eleanor Anne.** A lecture on effects of weather on insects, delivered at the Royal agricultural college, Cirencester . . . London, 1882.

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**Osborn, Herbert.** Entomological work in experimental stations. (U. S. Agriculture, Dept. of—Experiment stations, Office of. Bulletin 24. Washington, 1895. p. 85-88)

**Packard, Alpheus Spring.** On the genealogy of the insects . . . Philadelphia, 1883.

932-945 p. illus. 22<sup>cm</sup>.

From the American naturalist, September, 1883. vol. XVII.

**Patterson, Robert.** Letters on the natural history of the insects mentioned in Shakspeare's plays. With incidental notices of the entomology of Ireland. By Robert Patterson . . . London, W. S. Orr & co., 1838.

Agri 3—1147

xv, 270 p. illus. 17½<sup>cm</sup>.

**Rennie, James.** Insect architecture, by James Rennie; new ed., much enl. by the Rev. J. G. Wood . . . with nearly two hundred illustrations. London, Bell and Daldy, 1869.

xv, 439 p. illus. 19<sup>cm</sup>.

**Riley, Charles Valentine.** Entomological papers . . . [Salem, 1879]

[3]-23 p. fold. map. 24<sup>cm</sup>.

From the Proceedings of the American association for the advancement of science, St. Louis meeting, August, 1878.

CONTENTS.—The philosophy of the movements of the Rocky Mountain locust.—A new source of wealth in the United States.—Notes on the life-history of the blister-beetles and on the structure and development of Hornia.—On the larval characteristics of Corydalis and Chauiodes and on the development of Corydalis cornutus.—Biological notes on the gall-making Pemphiginae.

**Riley, Charles Valentine.** . . . Locusts as food for man . . . [Salem, 1876]

[208]-214 p. 24<sup>cm</sup>.

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**Riley, Charles Valentine.** Poisonous insects . . . New York, W. Wood & company, 1887.

1 p. l., 741-760 p. illus. 28<sup>cm</sup>.

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**Riley, Charles Valentine.** . . . Report on the department of insects in the U. S. national museum, 1889 . . . Washington, 1891.

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**Scudder, Samuel Hubbard.** Entomological notes. 1-[vi] By Samuel H. Scudder . . . [Boston, 1868]-78.

6 pts. in 1 v. 2 pl. (1 fold.) 22<sup>cm</sup>-24<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

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9 p. 22<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

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**Spruce, Richard.** . . . Notes on some insect and other migrations observed in equatorial America . . . [London, 1868]

346-367 p. 22<sup>cm</sup>.

From the Journal of the Linnean society. Zoology, vol. ix.

**Wasmann, Eric.** Langlebige insecten. [Freiburg i. B., 1899]

496-506 p. 24<sup>cm</sup>.

From "Stimmen aus Maria-Laach, 1899, 10. heft.

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### AMERICAN.

**Adams, M. F.** Superintendent's report. [Injurious insects] Buffalo, 1900.

12 p. illus. 23<sup>1</sup>/<sub>2</sub><sup>cm</sup>. (*On cover*: Buffalo forestry association. Annual report)

**Aughey, Samuel.** Relation of insects to horticulture and agriculture . . . [Lincoln, 1879]

93-98 p. 23<sup>cm</sup>.

From the Annual report of the Nebraska state horticultural society, 1878-79.

**Banks, Nathan.** Principal insects liable to be distributed on nursery stock. Washington, 1902.

46 p. illus. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, new ser., 34)

**Bessey, Charles Edwin.** Report on insects . . . Des Moines, 1874.

23 p. illus. 23<sup>cm</sup>.

Extracted from the report of the Iowa state agricultural society for 1873.

**Bessey, Charles Edwin.** Report on insects injurious to the plants and animals of the farm, to the Iowa state agricultural society . . . Des Moines, 1875.

24 p. illus. 23<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

**Bruner, Lawrence.** Notes from Nebraska. (U. S. Agriculture, Commissioner of. Report of the Commissioner . . . for the year 1884. Washington, 1884. p. 398-403)

**Bruner, Lawrence.** Report on Nebraska insects. (U. S. Agriculture, Commissioner of. Report of the Commissioner . . . 1888. Washington, 1889. p. 139-141)

**Bruner, Lawrence.** Report on the season's observations in Nebraska. (U. S. Agriculture, Commissioner of. Report of the Commissioner . . . 1887. Washington, 1888. p. 164-170)

**Chittenden, Frank Hurlbut.** Some insects injurious to garden and orchard crops. Washington, 1899.

99 pp. illus. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, new ser., 19)



**Cockerell, Theodore Dru Alison.** Economic entomology in Arizona . . . [London, 1900]

[366]-367 p. 25<sup>cm</sup>.

From Science-gossip, vol. VI, no. 72, May, 1900, p. 366-367.

**Comstock, John Henry.** Report on miscellaneous insects. (U. S. Agriculture, Commissioner of. Report of the Commissioner . . . for the years 1881 and 1882. Washington, 1882. p. 195-214. 7 pl.)

**Cook, Albert John.** Injurious insects of Michigan . . . [Lansing, 1875]

48 p. illus. 23 $\frac{1}{2}$ <sup>cm</sup>.

From Report of the State board of agriculture for 1874.

**Cook, Albert John.** Notes on noxious insects . . . [New York, 1887]

37-40 p. 23<sup>cm</sup>.

From the Proceedings of the 8th annual meeting of the Society for the promotion of agricultural science.

**Cooke, Matthew.** A treatise on the insects injurious to fruit and fruit trees of the State of California, and remedies recommended for their extermination. By Matthew Cook . . . Sacramento, J. D. Young, supt. state printing, 1881.

72 p. illus. 21 $\frac{1}{2}$ <sup>cm</sup>.

**Cutting, Hiram Adolphus.** An address upon farm pests, including insects, fungi, and animalcules, delivered at a meeting of the New Hampshire board of agriculture, by Hiram A. Cutting . . . Manchester, N. H., Printed by J. B. Clarke, 1879.

75 p. illus. 22 $\frac{1}{2}$ <sup>cm</sup>.

Cover-title: Pests of the farm.

**Fernald, Henry Torsey.** . . . Some common insect pests of the farmer. By H. T. Fernald. PH. D. . . . [Harrisburg] W. S. Ray, state printer of Pennsylvania, 1902.

Agr 3-183

32 p. illus., pl. 23 $\frac{1}{2}$  cm. (Commonwealth of Pennsylvania. Department of agriculture. Bulletin no. 99)

**Fitch, Asa.** . . . A brief account of the most important injurious insects of the United States. By Asa Fitch . . . Albany, L. Tucker & son, 1863.

vi, 293-321 p. illus. 20<sup>cm</sup>.

From the Illustrated annual register of rural affairs.

**Fitch, Asa.** The most pernicious species of United States insects and the Curculio, two addresses delivered at the annual meetings of the New York state agricultural society, A. D. 1859 and 1860. By Asa Fitch . . . Albany, Printed by C. Van Benthuyzen, 1860.

28 p. illus. 23<sup>cm</sup>.

**Forbes, Stephen Alfred.** . . . The food relations of the Carabidæ and Coccinellidæ . . . [Peoria, Ill., 1883]

[33]-64 p. 22 $\frac{3}{4}$ <sup>cm</sup>.

From Bulletin no. 6, Ill. State lab. of nat. hist., Normal, Ill., Jan., 1883.

**Forbes, Stephen Alfred.** Nursery inspection and orchard insecticide work in Illinois. (U. S. Agriculture, Dept. of—Experiment stations, Office of. Bulletin 99. Washington, 1901. p. 172-176)

**Glover, Townend.** Insects injurious and beneficial to vegetation. Wash., 1855. (U. S. Patent office. Report of the Commissioner of patents for the year 1854. Agriculture. Washington, 1855. p. 59-89)

**Goding, Frederic Webster.** A report on the insects injurious to vegetation in Iowa, to the secretary of the State agricultural society, for the year 1882 . . . Ancona, Ill., 1883.

11 p. 23<sup>cm</sup>.

Reprinted from the Transactions of the Iowa state agricultural society for 1882, p. 322-329.

**Gossard, Harry Arthur.** Economic entomology in Florida. (U. S. Agriculture, Dept. of—Experiment Stations, Office of. Bulletin 99. Washington, 1901. p. 178-182)

**Gossard, Harry Arthur.** Florida observations; experimental work. (U. S. Agriculture, Dept. of—Experiment stations, Office of. Bulletin 115. Washington, 1902. p. 129–131)

**Greene, C. A.** An essay on insects injurious to vegetation and how to get rid of them . . . [Harrisburg, 1883]

12 p. 22<sup>cm</sup>.

Advertisements: p. 10–12.

Read before the members of the State horticultural association of Pennsylvania, at their annual meeting at Harrisburg, Pa., January 17, 1883.

**Halstead, Byron David.** . . . Injurious garden insects . . . New York, 1883.

16 p. 18½<sup>cm</sup>. (Home college series no. 88)

**Harris, Thaddeus William.** Extracts from Dr. Harris's work, On insects. (U. S. Patent office. Report of the Commissioner of Patents, showing the operations of the Patent office during the year 1844. Washington, 1845. p. 167–174)

**Harris, Thaddeus William.** Report on insects and diseases injurious to vegetation, read before the American pomological society, at its session in Boston, September, 1854 . . . Boston, 1854.

11 p. 24<sup>cm</sup>.

**Harris, Thaddeus William.** A report on the insects of Massachusetts injurious to vegetation. Published agreeably to an order of the legislature by the Commissioners on the zoological and botanical survey of the state. Cambridge, Folsom, Wells, and Thurston, printers to the University, 1841.

Agr 3—188

viii, 459 p. 24<sup>cm</sup>.

**Harris, Thaddeus William.** A treatise on some of the insects of New England which are injurious to vegetation. By Thaddeus William Harris, M. D. Cambridge, J. Owen, 1842.

Agr 5—55

2 p. l., 459 p. 24½<sup>cm</sup>.

— A treatise on some of the insects of New England which are injurious to vegetation. By Thaddeus William Harris, M. D. 2d ed. Boston, Printed by White & Potter, 1852.

viii, 513 p. 24<sup>cm</sup>.

— A treatise on some of the insects injurious to vegetation. By Thaddeus William Harris, M. D. A new ed., enl. and improved, with additions from the author's manuscripts and original notes. Illustrated by engravings drawn from nature under the supervision of Professor Agassiz. Ed. by Charles L. Flint . . . Boston, Crosby and Nichols; New York, O. S. Felt, 1862.

xi, 640 p. illus., viii pl. incl. front. 21½<sup>cm</sup>.

Wanting p. xi.

— — Boston, Crosby and Nichols; New York, O. S. Felt, 1863.

xi, 640 p. illus., viii pl. incl. front. 21½<sup>cm</sup>.

— — New York, O. Judd company, 1890.

xi, 640 p. illus., viii pl. incl. front. 22<sup>cm</sup>.

**Hine, James Stewart.** . . . Some greenhouse pests . . . Columbus, 1897.

8 p. 23½<sup>cm</sup>.

Reprinted from the Columbus horticultural journal, vol. 12.

**Hollrung, Max.** Über das pflanzenschutzwesen in den Vereinigten Staaten von Nordamerika und was wir von ihm lernen können. [Berlin] 1894.

60–70 p. 24½<sup>cm</sup>.

Sonderabdruck aus dem Jahrbuch der Deutschen landwirtschafts-gesellschaft 1894, bd. 9.

**Hopkins, Andrew Delmar.** The principal insect depredations and depredators noted in the state. A study of agricultural conditions in West Virginia and the needs of entomological work . . . [n. p., 1896]

cover-title, [93]–129 p. illus., 2 maps (1 fold.) 22<sup>cm</sup>.

“Life zones:” p. [117]–129.

“From the Ninth annual report of the West Virginia agricultural experiment station, 1896.”

**Howard, Leland Ossian.** . . . A contribution to the study of the insect fauna of human excrement. <With especial reference to the spread of typhoid fever by flies> . . . Washington, D. C., 1900.

541-604 p. illus., xxx-xxxI pl. 26<sup>cm</sup>.

Proceedings of the Washington academy of sciences, vol. II, pp. 541-604.

**Howard, Leland Ossian.** The economic status of insects as a class . . . Address of the retiring president of the Biological society of Washington, delivered January 18, 1899. [New York, 1899]

33 p. 25<sup>cm</sup>.

Reprinted from Science, n. s., vol. IX, no. 216, p. 233-247, February 17, 1899.

**Howard, Leland Ossian.** How insects affect health in rural districts Washington, 1902.

20 p. illus. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of. Farmer's bulletin 155)

Also published in Yearbook for 1901, p. 177-192, under title: Insects as carriers and spreaders of disease.

**Howard, Leland Ossian.** Progress in economic entomology in the United States. (U. S. Agriculture, Dept. of. Yearbook, 1899. Washington, 1900. p. 135-156. pl.)

**Illinois—State entomologist.** Miscellaneous essays on economic entomology by the State entomologist and his entomological assistants. Springfield, Ill., H. W. Rokker, state printer and binder, 1886.

130 p. 23<sup>cm</sup>.

Published as an appendix to the Transactions of the Department of agriculture . . . of Illinois . . . for 1888, vol. XXIII.

CONTENTS.—The entomological record for 1885. By S. A. Forbes.—Experiments on the codling moth and curculios . . . By S. A. Forbes.—A second contribution to the life history of the corn plant louse (*Aphis maidis* Fitch.) By H. Garman.—Partial economic bibliography of Indian corn insects. By Thomas F. Hunt.

**Iowa state horticultural society.** Entomological papers from the Transactions of the Iowa state horticultural society, for the year 1882. Comprising premium essays by Hon. J. N. Dixon and Miss Alice B. Walton, and the annual report of Prof. Herbert Osborn . . . Des Moines, F. M. Mills, state printer, 1883.

42 p. 23<sup>cm</sup>.

**Jack, John George.** . . . Notes on some injurious insects . . . [Boston, 1894]

133-151 p. 23<sup>cm</sup>.

From the Transactions of the Massachusetts horticultural society, for the year 1894, pt. I.

**Johnson, Willis Grant.** Insects beneficial to horticulture, paper read before the Horticultural society of central Illinois at the Griggsville meeting, January 9, 1896 . . . Savoy, Illinois, 1895.

18 p. illus. 22<sup>cm</sup>.

Extract from Transactions of the Society, vol. 29 (new series), 1895.

**Kellogg, Vernon Lyman.** . . . Common injurious insects of Kansas. By Vernon L. Kellogg. [Lawrence] The university, 1892.

viii, 126 p. illus. 22<sup>cm</sup>.

At head of title: The University of Kansas, Lawrence. Department of entomology . .

**Klee, Waldemar Goetrik.** A treatise on the insects injurious to fruit and fruit trees of the state of California, and remedies recommended for their extermination. By W. G. Klee, state inspector of fruit pests. State board of horticulture. Sacramento, State office, J. D. Young, supt. state printing, 1888.

Agr 4—38

61 p. illus., 8 pl. (4 col.) 23<sup>cm</sup>.

**Le Conte, John Lawrence.** Hints for the promotion of economic entomology in the United States . . . [Boston] 1873.

[710]-722 p. 24½<sup>cm</sup>.

From the American naturalist, vol. VII, December, 1873.



**Le Conte, John Lawrence.** . . . On the method of subduing insects injurious to agriculture. . . . [Philadelphia, 1876]

[202]-207 p. 24<sup>cm</sup>.

From the Proceedings of the American association for the advancement of science, Detroit meeting, August, 1875.

**Lintner, Joseph Albert.** . . . Late experiences with insects injurious to the orchard and garden . . . Rochester [1890]

20 p. 23<sup>cm</sup>.

From the Proceedings of the Western New York horticultural society, for 1890.

**Lintner, Joseph Albert.** A new principle in protection from insect attack . . . Rochester [1882]

15 p. 22<sup>cm</sup>.

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**Lintner, Joseph Albert.** . . . Some pests of the pomologist . . . [Grand Rapids, Mich., 1887]

13 p. 28 x 21<sup>cm</sup>.

From the American pomological society's report for 1887.

**List of economic species of insects for public schools, with references to entomological literature.** Peoria, J. W. Franks & sons, printers, 1891.

cover-title, 13 p. 23½<sup>cm</sup>.

**Long, Elias A.** Our insect foes; how to deal with. Buffalo, 1887.

32 p. illus. 18<sup>cm</sup>.

**Lugger, Otto.** Insects injurious to small fruit. [n. p., n. d.]

9 p. illus. 23½<sup>cm</sup>.

**Marlatt, Charles Lester.** Insect control in California. (U. S. Agriculture, Dept. of. Year book, 1896. Washington, 1897. p. 217-236. illus., pl.)

**Marlatt, Charles Lester.** Report on useful and injurious insects and the grapevine phylloxera . . . Author's ed. From the reports of the U. S. commissioners to the Universal exposition of 1889 at Paris, vol. v. Agriculture. Published by the Department of state. Washington, Gov't print. off., 1893.

Agr 4-894

1 p. l., 427-459 p. illus. 23½<sup>cm</sup>.

**Murtfeldt, Mary Esther.** Entomological notes of the season of 1888. Wash., 1889. (U. S. Agriculture, Commissioner of. Report of the Commissioner, 1888. Washington, 1899. p. 133-139)

**Murtfeldt, Mary Esther.** Report of the committee on entomology . . . [Jefferson City, Mo., 1890]

48-53 p. 23<sup>cm</sup>.

From Thirty-second annual report of the State horticultural society of Missouri, 1889.

**Murtfeldt, Mary Esther.** Some insects injurious to small fruits . . . [Jefferson City, Mo., 1901]

315-324 p. 23<sup>cm</sup>.

From Forty-third annual report of the State horticultural society of Missouri, 1900.

**Murtfeldt, Mary Esther.** Some useful insects and their products. [Jefferson City, Mo., 1898]

228-238 p. 23<sup>cm</sup>.

From Fortieth annual report of the State horticultural society of Missouri, 1897.

**Olliff, Arthur Sidney.** . . . Entomological notes . . . [Sydney, 1892]

6 p. illus. 24½<sup>cm</sup>.

From Agricultural gazette of New South Wales, vol. III, p. 698-703.

**Ongerth, Michael.** Ongerth's treatise on the insect pest, in orchards and vineyards, and his methods of exterminating the parasites. . . San Francisco [n. d.]

12 p. 22<sup>cm</sup>.

**Osborn, Herbert.** Biologic notes on certain Iowa insects by Herbert Osborn and C. W. Mally. [Des Moines, 1896]

203-213 p. illus. 23<sup>cm</sup>.

From Contributions from the Department of zoology and entomology, Iowa state college of agriculture and mechanic arts [no, 1]

Reprinted from the Proceedings of the Iowa academy of sciences, 1895, vol. III (1896)

**Osborn, Herbert.** Entomological report . . . [Des Moines, 1880]

85-108 p. illus. 23<sup>cm</sup>.

From the Report of the Iowa state horticultural society for 1879. vol. 14.

CONTENTS.—Insects working on the apple.—On a species of plant-louse infesting the Scotch pine.—historical.

**Osborn, Herbert.** Papers on Iowa insects, consisting of fruit and forest tree insects (reprinted from Trans. State horticultural society, 1892, pp. 96-127) and some Iowa farm insects (reprinted from the Report of the State agricultural society, 1892, pp. 665-699) Des Moines, 1893.

67 p. illus. 23<sup>cm</sup>.

**Osborn, Herbert.** Report upon the insects of the season in Iowa. (U. S. Agriculture, Commissioner of. Report of the Commissioner . . . 1887. Washington, 1888. p. 154-164)

**Packard, Alpheus Spring.** . . . Report on the Rocky Mountain locust and other insects now injuring or likely to injure field and garden crops in the western states and territories. By A. S. Packard, jr. . . . Washington, Gov't. print off., 1877.

2 p. l., 589-815 p. illus., LXII-LXX pl., 5 fold maps. 23<sup>cm</sup>.

Each plate accompanied by leaf of descriptive text.

At head of title: Department of the interior. United States geological survey. F. V. Hayden, U. S. geologist-in-charge.

Extracted from the Ninth annual report of the U. S. Geological and geographical survey of the territories for 1875.

**Perkins, George Henry** . . . On some of the injurious insects of Vermont . . . Montpelier, 1878.

39 p. illus. 22<sup>cm</sup>.

From the 5th report of the Vermont board of agriculture.

**Piper, Charles Vancouver.** Orchard enemies in the Pacific northwest. Washington, 1902.

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**Rathvon, Simon Snyder.** Entomological essay; read before the Fruit growers' association of eastern Pennsylvania, at its meeting in West Chester, on the 13th day of June, 1860 by S. S. Rathvon . . . Published by request. Philadelphia, Gardener's monthly book press, 1861.

Agr 4-3590

xi, [13]-36 p. vi pl. (1 col.) 24<sup>cm</sup>.

**Rathvon, Simon Snyder.** Entomology and its relations to the vegetable productions of the soil, with reference to both destructive and beneficial insects. (U. S. Patent office. Report of the Commissioner of patents for the year 1861. Agriculture. Washington, 1862. p. 585-620. illus.)

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"In continuation of the subject commenced on page 585 of the Agricultural Department of the Patent office Report for 1861."

**Read, Matthew C.** Destructive insects. [Columbus, 1883?]

99-109 p. 24<sup>cm</sup>.

From the 16th annual report of the Ohio state horticultural society for 1882-3.

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**Riley, Charles Valentine.** Economic entomology; its relations to agriculture. With directions how to collect, preserve, and study insects . . . Jefferson City, Regan & Carter, 1873.

48 p. illus. 23<sup>cm</sup>.

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cover-title, 35 p. illus. 23½<sup>cm</sup>.

**Riley, Charles Valentine.** "General truths in applied entomology." [Macon, 1884]

152-157 p. 23<sup>cm</sup>.

From the Transactions of Georgia state agricultural society, spring meeting, February 12th and 13th, 1884.

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**Riley, Charles Valentine.** . . . Les insectes nuisibles et les insectes utiles aux États-Unis, insecticides et modes d'application . . . [Paris, 1889]

19 p. 23<sup>cm</sup>.

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[381]-384 p. 26<sup>cm</sup>.

From the American garden, July, 1890.

**Rolfs, Peter Henry.** Injurious insects of the year. A brief study in insect dissemination. Advancements made in insecticides. A visit to the gypsy moth commission . . . [Tallahassee] 1896.

96-105 p. 24<sup>cm</sup>.

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**Sanborn, Francis Gregory.** Insects of Massachusetts which are beneficial to agriculture. [Boston, 1863].

124-185 p. illus. 21½<sup>cm</sup>.

From the 10th report of the secretary of the Massachusetts state board of agriculture, 1862.

**Sanderson, Ezra Dwight.** Insects injurious to staple crops. By E. Dwight Sanderson . . . 1st ed. 1st thousand. New York, J. Wiley & sons; London, Chapman & Hall, limited, 1902.

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x, 295 p. incl. front., illus. pl. 19½<sup>cm</sup>.

**Scott, W. M.** . . . Inspection and certification of nursery stock. By W. M. Scott. Atlanta, Ga., 1901.

Agr 3-207

12 p. illus. 22<sup>cm</sup>. (Georgia state board of entomology. Bulletin no. 3, July 1901.)

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**Slingerland, Mark Vernon.** Some new notions about some old insects . . . Boston, 1899.

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xii, 11-481 p. front., illus., plates. 21<sup>cm</sup>.



**Smith, John Bernhard.** . . . Insects versus horticulture . . . Newark, 1890.  
15 p. 23<sup>cm</sup>.

From the Proceedings of the New Jersey state horticultural society, December 18 and 19, 1889.

**Snow, Francis Huntington.** . . . The best means of defense against the insect enemies of the horticulturist. [Topeka, G. W. Martin, 18—]

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An address . . . being the fourth in the course of educational lectures organized by Capital grange, Topeka, Kansas.

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39-48 p. 23<sup>cm</sup>.

From Quarterly report of the Kansas State board of agriculture, for the quarter ending March 31, 1883.

**Thomas, Cyrus.** . . . Manual of economic entomology for the state of Illinois. . . . (*In* Illinois. State entomologist. Report . . . on the noxious and beneficial insects of the state of Illinois, 6th, p. [63]—174; 7th, p. [133]—273; 9th, p. [71]—140. [Springfield] [1877?]—80. 3 pts. 22<sup>1</sup>/<sub>2</sub><sup>cm</sup>. illus.) Agr 5—243

Pt. I has title: The introduction to, and first part of, A manuel [!] of economic entomology for the state of Illinois. The part herein present includes only the Coleoptera, or beetles.

Pt. II has title: Economic entomology of Illinois. Pt. II. Lepidoptera, or butterflies and moths, and their larva, or caterpillars. By Prof. G. H. French.

Pt. III has title: Manual of economic entomology.

**Titus, E. S. G.** Catalogue of the exhibit of economic entomology at the Louisiana purchase exposition, St. Louis, Mo., 1904. Comp. under the direction of the Entomologist by E. S. G. Titus and F. C. Pratt. Washington, 1904.

155 p. 22<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Bureau of. Bulletin, no. 47)

— — — Rev. ed. Washington, 1904.

155 p. 22<sup>cm</sup>. (U. S. Agriculture, Department of.—Entomology, Bureau of. Bulletin no. 47)

**Uhler, Philip R.** Insects injurious to vegetation. (U. S. Patent office. Report of the Commissioner of patents for the year 1860. Agriculture. Washington, 1861. p. 312-322)

**United States—Dept. of agriculture.** Principal injurious insects of the years 1899, 1900, 1901, 1902, 1903. (U. S. Agriculture, Dept. of. Yearbook, 1899, p. 745-748; 1900, p. 725-729; 1901, p. 674-679; 1902, p. 726-733; 1903, p. 553-566. Washington, 1900-04)

**United States—Dept. of agriculture—Division of entomology.** Catalogue of the exhibit of economic entomology at the World's Columbian exposition, Chicago, Ill., 1893. Washington, 1893.

121 p. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of.—Entomology, Division of. Bulletin 31)

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95 p. 23<sup>cm</sup>.

**United States—Dept. of agriculture—Division of entomology.** Miscellaneous notes on the work of the Division of entomology for the season of 1885. Washington, 1887.

46 p. pl. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin 12)

**United States—Entomological commission.** Third report of the United States entomological commission, relating to the Rocky mountain locust, the western cricket, the army worm, canker worms, and the hessian fly; together with descriptions of larvæ of injurious forest insects, studies on the embryological development of the locust and of other insects and on the systematic position of the Orthoptera in relation to other orders of insects. Washington, 1883.

347, 92 p. illus., 64 pl., 3 maps. 23<sup>cm</sup>.

**Walsh, Benjamin Dann.** Insects injurious to vegetation, in Illinois . . . [Springfield, Ill., 1861]

43 p. illus., pl. 22<sup>cm</sup>.

Page 1-40, reprinted from Transactions of the Illinois state agricultural society, v. 4, p. 335-372.

Page 41-43, reprinted from the Prairie farmer, n. s. v. 8, p. 257-258.

**Webster, Francis Marion.** . . . Horticultural entomology . . . Indianapolis, 1885.

23 p. incl. iv pl. illus. 23½<sup>cm</sup>.

From Transactions of Indiana horticultural society, 1885. 25th annual meeting.

**Webster, Francis Marion.** Report of Committee on entomology, 1898, 1900. [Columbus] 1898-1900.

2 nos. illus. 25½<sup>cm</sup>.

From the Annual report of the Ohio state horticultural society, 1898, 1900.

**Webster, Francis Marion.** Silent partners in horticulture . . . Toledo, 1892. 19-25 p. illus. 23½<sup>cm</sup>.

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3 p. 24<sup>cm</sup>.

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1 p. l., 281, [1] p. incl. front., illus. 6 pl. 22<sup>cm</sup>.

Agr 5-245

**Zimmerman, Charles D.** Entomology . . . [New York] 1882.

1 p. l., [51]-59 p. 24<sup>cm</sup>.

Extracted from the Agricultural review and Journal of the American agricultural association. vol. 2, no. 1. January, 1882.

**Zimmerman, Charles D.** . . . Entomology for the horticulturist . . . [n. p., 1882]

7 p. 15<sup>cm</sup>.

Published in March number of City and country.

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**Ascárate y Fernández, Casildo.** Insectos y criptógamas que invaden los cultivos en España, por D. Casildo Ascárate y Fernández . . . Obra premiada por el Ministerio de fomento en virtud del concurso abierto el 18 agosto de 1888. Madrid, Tipolitografía de L. Péant e hijos, 1893.

Agr 5-57

780 p. illus., VIII col. pl. 25½<sup>cm</sup>.

**Balfour, Edward.** The agricultural pests of India, and of eastern and southern Asia, vegetable and animal, injurious to man and his products. By Surgeon-General Edward Balfour . . . London, B. Quaritch, 1887.

127 p. 19<sup>cm</sup>.

"Authorities consulted": p. [126]-127.

**Bargagli, Piero, marchese.** Distruzione degli insetti nocivi, Phylloxera, scarafaggio delle patate (Doryphora), baco del cotone, cavallette del Colorado e di quelli che infestano i tepidari per mezzo dell' applicazione del fungo del lievito di birra proposta dal Dott. H. A. Hagen . . . Cambridge university press, John Wilson and son, 1879. [Firenze, 1880]

7 p. 23½<sup>cm</sup>.

Estratto dal giornale L' agricoltura italiana, anno VI, fasc. LXIV.

**Boisduval, Jean Alphonse.** Essai sur l'entomologie horticole, comprenant l'histoire des insectes nuisibles à l'horticulture avec l'indication des moyens propres à les éloigner ou à les détruire et l'histoire des insectes et autres animaux utiles aux cultures, par le Dr. Boisduval . . . Paris, Librairie d'horticulture de E. Donnaud, 1867.

[iii]-xvi, 648 p. front. (port.) illus. 22½<sup>cm</sup>.

**Bos, Jan Ritzema.** Insektenschade op bouw- en weiland, eene handleiding voor de kennis van de kleine vijanden van akker- en weidebouw, door Dr. J. Ritzema Bos . . . Groningen, J. B. Wolters, 1883.

4 p. l., 216 p. 24<sup>cm</sup>.

**Bos, Jan Ritzema.** . . . Kurze mittheilungen über insektenfrass in den Niederlanden in den jahren 1890-91 . . . Stuttgart, [1893]

[336]-353 p. 24<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

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**Bos, Jan Ritzema.** . . . Kurze mittheilungen über pflanzenkrankheiten und beschädigungen in den Niederlanden in dem jahre 1892 und 1893 . . . [Stuttgart, 1894]

pt. 2-3. 24<sup>cm</sup>.

Sonderabdruck aus der "Zeitschrift für pflanzenkrankheiten," iv. bd., 3. und 4. heft, p. 145-150, 218-229.

Pt. [1] published in Zeitschrift für pflanzenkrankheiten, iv. bd., p. 94-100.

**Bramson, Konstantin Liüdvigovich.** Вредныя насѣкомыя и мѣры для борьбы съ ними. (Практическая энтомологія) Руководство для сельскихъ хозяевъ, сельско-хозяйственныхъ учебныхъ заведеній, народныхъ учителей и учительскихъ семинарій. Составилъ К. Л. Брамсонъ . . . изданіе 2-е, пересмотрѣнное и значительно дополненное . . . Екатеринославъ, Типолитографія Я. М. Чаусскаго, 1894-96.

Agr 4-485

2 pts. 14 pl. (10 col.) 25<sup>cm</sup>.

Injurious insects and the means of combating them. (Practical entomology) Handbook for farmers, agricultural educational institutions, public teachers and seminary teachers . . . Ed. 2, rev. and considerably enl. . . .

Publisher, pt. 2: Высочайше утвержденное Товарищество „Печатня С. П. Яковлева."

**Brischke, C. G. A.** Die blattminirer in Danzig's umgebung . . . Danzig, 1880.

2 p. l., 58 p. illus. 24<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

"Separatabdruck aus den Schriften der Naturforschenden gesellschaft. neue folge, 5. bandes, 1. heft."

**Brocchi, Paul.** Rapport sur les observations faites en 1894-5 à la station entomologique de Paris . . . Paris, 1895-96.

2 nos. col. pl. 28<sup>cm</sup>.

Extrait du Bulletin du Ministère de l'agriculture, vol. xiv-xv.

**Costa, Achille.** Degl' insetti che attaccano l' albero ed il frutto dell' olivo, del ciliegio, del pero, del melo, del castagno, e della vite, e le semenze del pisello, della lenticchia, della fava, e del grano; loro descrizione e biologia danni che arrecano e mezzi per distruggerli, per Achille Costa . . . Ed. 2 rivuduta ed accresciuta dalla stesso autore . . . Napoli, Pei tipi del commendatore G. Nobile, 1877.

Agr 4-1246

[3]-340 p. xiii pl. 29<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

**Curtis, John.** Farm insects: being the natural history and economy of the insects injurious to the field crops of Great Britain and Ireland, and also those which infest barns and granaries. With suggestions for their destruction. By John Curtis . . . Glasgow, Edinburgh, and London, Blackie and son, 1860.

Agr 5-143

1 p. l., xiv, [15]-528 p. 16 col. pl. (incl. front.) 25<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

**Dcaux, François.** . . . Étude sur les insectes nuisibles recueillis à l'Exposition universelle. Moyens de les détruire . . . Paris, Imprimerie de la Société de typographie, 1890.

36 p. 24<sup>cm</sup>.

At head of title: Société des agriculteurs de France.

**Fletcher, James.** The farm pests of insect life; evidence of Dr. James Fletcher . . . before the Select standing committee on agriculture and colonization 1899; printed by order of Parliament. Ottawa, Printed by S. E. Dawson, 1899.

20 p. 24<sup>1</sup>/<sub>2</sub><sup>cm</sup>.



**Fletcher, James.** Injurious insects. [Ottawa, 1895]

18-23 p. illus. 25<sup>cm</sup>.

From the Bulletin of the Central experimental farm. no. 23.

**Fletcher, James.** . . . Recent additions to the list of injurious insects of Canada . . . Ottawa, J. Hope & sons; [etc., etc.] 1899.

207-231 p. illus. 25<sup>cm</sup>.

From the Transactions of the Royal society of Canada, 2d ser., 1899-1900. Vol. v, section iv. Geological and biological sciences.

**Franceschini, Felice.** . . . Gli insetti nocivi, di Felice Franceschini . . . Milano,

U. Hoepli, 1891.

Agr 4—205

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**Franceschini, Felice.** . . . Gli insetti utili, di Felice Franceschini . . . Milano,

U. Hoepli, 1882.

Agr 4—206

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**Frauenfeld, Georg, ritter von.** Ueber die bisher eingelangten diessjährigen berichte von landwirthschaftlichen insekten-schäden . . . [Wien] 1866.

[641]-646 p. 22½<sup>cm</sup>.

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Anhang. Ueber die mittel gegen den buckligen ackerlaufkäfer. Von Herrn Gust. Künstler: p. 645-646.

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4 p. 22<sup>cm</sup>.

Aus den Verhandlungen d. K. K. Zoolog.-botanischen gesellschaft in Wien <jahrgang 1869> besonders abgedruckt . . .

**Frauenfeld, Georg, ritter von.** Ueber einige pflanzenverwüster, eingesendet von Sr. Durchl. fürst Colloredo-Mannsfeld . . . [Wien, 1864]

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**French, Charles.** A handbook of the destructive insects of Victoria, with notes on the methods to be adopted to check and extirpate them. Prepared by order of the Victorian Department of agriculture by C. French . . . Melbourne, R. S. Brain, government printer 1891-1900.

pt. 1-3. illus, plates (partly col.) 22<sup>cm</sup>.

**Froggatt, Walter Wilson.** Economic entomology . . . Sydney, 1898.

6 p. 25<sup>cm</sup>. (Department of agriculture, Sydney, New South Wales. Miscellaneous publication, no. 213)

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**Froggatt, Walter Wilson.** . . . Entomological notes on specimens received during 1899 . . . Sydney, 1900.

13 p. 2 pl. 25<sup>cm</sup>. (Department of agriculture, Sydney, New South Wales. Miscellaneous publication, no. 405)

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12 p. 2 pl. 25<sup>cm</sup>. (Miscellaneous publication, no. 487)

From Agricultural gazette of N. S. Wales, vol. xii, July, 1901.

**Froggatt, Walter Wilson.** Forest moths that have become orchard and garden pests . . . [Sydney, 1896-97]

4 pts. 5 pl. 24½cm.

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13 p. illus. 22cm.

Reprinted from the Fourth report of the Montreal horticultural society.

**Gimmerthal, B. A.** Beobachtungen über einige in krankhaft faulenden kartoffeln gefundene acarier und dipterenlarven. Beobachtete metamorphose einer neuen fliegenspecies und einer bereits bekannten blattwespe . . . [Riga, 1848]

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**Girard, Maurice.** Études sur les insectes carnassiers utiles à introduire dans les jardins et à protéger contre la destruction . . . Paris, 1873.

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**Girard, Maurice.** Les végétaux importés et les insectes indigènes et réciproquement . . . [Paris] 1876.

4 p. 21½cm.

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**Guénaux, Georges.** . . . Entomologie et parasitologie agricoles, par Georges Guénaux . . . introduction par le Dr. P. Regnard . . . Paris, J.-B. Baillière et fils, 1904.

Agr 4—82

xii, 588 p. illus. 18½cm. (Encyclopédie agricole . . . )

**Guérin-Méneville, Félix Édouard.** Entomologie appliquée à l'agriculture. De la destruction des insectes nuisibles au blé et aux olives, d'après les recherches de M. Guérin-Méneville, pendant les deux missions qui lui ont été confiées en 1845 et 1846, l'une par M. le ministre de l'agriculture et du commerce, et l'autre par la Société royale et centrale d'agriculture de Paris. [Marseille, Typographie Barlatier-Feissat et Demonchy, 1847?]

12-39 p. 22cm.

Extrait des Annales provençales d'agriculture.

**Guérin-Méneville, Félix Édouard.** Rapport fait à la Société royale et centrale d'agriculture, sur le concours ouvert pour la découverte et la mise en pratique de moyens propres à détruire les insectes nuisibles aux forêts, aux grandes cultures, aux jardins fruitiers, potagers et fleuristes; commissaires, MM. Vilmorin, Héricart de Thury, Huzard, de Gasparin Mérat, Dutrochet, et Guérin-Méneville, rapporteur, Paris, 1846.

15 p. 23cm.

Extrait des Mémoires de la Société royale et centrale d'agriculture.—Séance publique du 8 avril.—année 1846.

**Henschel, Gustav A. O.** Die insecten-schädlinge in ackerland und küchergarten, ihre lebensweise und bekämpfung, von Gustav Henschel . . . Leipzig und Wien, F. Deuticke, 1890.

Agr 4—208

3 p. l., 232 p., 1 l. 19cm.

**Henschel, Gustav A. O.** Die schädlichen, forst- und obstbaum-insekten, ihre lebensweise und bekämpfung. Praktisches handbuch für forstwirthe und gärtner von Gustav A. O. Henschel . . . 3. neubearb. aufl. Berlin, P. Parey, 1895.

xii, 758 p. illus. 22½cm.

Agr 5—155

**Hollrung, Max.** . . . Pflanzenschutz . . . Berlin, Gedruckt in der reichsdruckerei [1893]

cover-title, 24 p. illus. 32½cm.

Sonderabdruck aus dem Amtlichen bericht über die weltausstellung in Chicago 1893.

**Holmgren, August Emil.** Om åkerns vanligaste skadeinsekter. Af Aug. Emil Holmgren. Med 61 färglagda afbildningar. (Prisbelönt af Kongl. patriotiska sällskapet) Stockholm, P. A. Norstedt & söners förlag [1873]

[4], 72, [2] p. 4 col. pl. 17cm.

**Horváth, Géza.** . . . Konyhasós es szikes területeink rovarfaunája. [Budapest? 1903?]

[206]—211 p. 24½cm.

From Különlenyomat az állattani közlemények II. Kötetének 5. füzetéből.

**Hungary—Magyar kir. állami rovarfajta-állomás.** Jelentés az 1884–1889, években felmerült gazdasági rovarfajokról . . . Budapest, 1892.

150 p. illus., 1 pl. 23½cm. (A M. K. állami rovarfajta-állomás közleményei. 1 kötet, 8. füzet)

**Kaltenbach, Johann Heinrich.** Die pflanzenfeinde aus der klasse der insekten. Ein nach pflanzenfamilien geordnetes handbuch sämtlicher auf den einheimischen pflanzen bisher beobachteten insekten zum gebrauch für entomologen, insekten-sammler, botaniker, land- und forstwirthe und gartenfreunde von J. H. Kaltenbach . . . Stuttgart, J. Hoffmann, 1874.

Agr 5—91

viii, 848 p. illus. 22½cm.

**Koebele, Albert.** Studies of parasitic and predaceous insects in New Zealand, Australia, and adjacent islands. Washington, 1893.

39 p. 23cm. (U. S. Agriculture, Dept. of. [Report no. 51])



**Kolbe, Hermann Julius.** . . . Gartenfeinde und gartenfreunde. Die für den gartenbau schädlichen und nützlichen leberwesen. Von Prof. H. Kolbe . . . Berlin, K. Siegismund [1901]

Agr 4—3424

2 p. l., 318, [2] p. illus. 18½<sup>cm</sup>. (Gartenbau-bibliothek. Hrsg. von Dr. Udo Dammer. bd. 34-36)  
"Litteratur": p. 298-305.

**Kollar, Vincenz.** A treatise on insects injurious to gardeners, foresters, & farmers. By Vincent Köllar . . . Tr. from the German, and illustrated by engravings, by J. and M. Loudon. With notes, by J. O. Westwood . . . London, W. Smith, 1840.

Agr 5—166

**Koningsberger, J. C.** Eerste overzicht der schadelijke en nuttige insecten van Java, door Dr. J. C. Koningsberger. Batavia's Gravenhage, G. Kolff & co., 1898.  
3 p. l., 53, [1] p. 26<sup>cm</sup>. (Mededeelingen uit 's Lands plantentuin. xxii)

**Koningsberger, J. C.** . . . Ziekten van rijst, tabak, thee en andere cultuurgewassen, die door insecten worden veroorzaakt, door Dr. J. C. Koningsberger . . . Batavia, G. Kolff & co., 1903.

Agr 4—202

1 p. l., ii, 109 p. 5 pl. (3 col.) 25½<sup>cm</sup>. (Mededeelingen uit 's Lands plantentuin. lxiv)

**Köppen, Fedor Petrovich.** Die schädlichen insekten Russlands. Von Friedrich Theodor Köppen . . . St. Petersburg, Buchdruckerei der Kaiserlichen akademie der wissenschaften, 1880.

Agr 4—3392

3 p. l., vi, 526 p., 1 l. col. pl. 24<sup>cm</sup>. (Added t.p.: Beiträge zur kenntniss des Russischen reiches und der angrenzenden länder Asiens. 2. folge . . . hrsg. von G. v. Helmersen und L. v. Schrenck. bd. iii)

**Köppen, Fedor Petrovich.** Вредныя насѣкомыя. Сочинение Федора Копена. Издание Департамента земледѣлія и сельской промышленности. Санкт-петербургъ, Типографія Императорской академіи наукъ, 1881-83.

Agr 4—488

3 v. illus. 25<sup>cm</sup>.

Injurious insects . . . Publication of the Department of agriculture and rural industries.

**Künstler, Gustav Adolf.** Beiträge zur kenntniss der der land- oder forstwirthschaft schädlichen insekten . . . [Wien, 1864]

[779]-784 p. 22½<sup>cm</sup>.

From Verhandlungen der K. K. Zoologisch-botanischen gesellschaft in Wien, vol. xiv, 1864.

**Künstler, Gustav Adolf.** Die unseren kulturpflanzen schädlichen insekten. Mit besonderer rücksicht auf die erscheinungen, welche bei den beschädigungen durch insekten sich zeigen und das stadium der entwicklung, in welchem sie vorzugsweise schädlich sind. Für den landmann zusammengestellt von Gustav Künstler . . . Hrsg. von der K. K. Zool.-bot. gesellschaft. Wien, Im selbstverlage der gesellschaft, 1871.

xxii, 96 p. 22½<sup>cm</sup>.

**Künstler, Gustav Adolf.** Zusammenstellung und erörterungen über die im laufe der jahre 1866 und 1867 eingegangenen berichte über land- und forstwirthschaftsschäden durch insekten . . . [Wien] 1867.

[913]-962 p. 22½<sup>cm</sup>.

From Verhandlungen der K. K. Zoologisch-botanischen gesellschaft in Wien, xvii, 1867.

**Lea, Arthur M.** . . . Remedies for insect & fungoid pests of the orchard and farm. By Arthur M. Lea . . . Hobart, Tasmania, J. Vail, government printer, 1902.

Agr 3—558

38 p. 21½<sup>cm</sup>.

At head of title: Department of agriculture, Tasmania.

— . . . Remedies for insect & fungus pests of the orchard and farm. (2d ed.) By Arthur M. Lea . . . Hobart, Tasmania, J. Vail, government printer, 1903.

53, [1] p. illus. 21½<sup>cm</sup>.

At head of title: Department of agriculture, Tasmania.

**Lehmann, A.** . . . Notes on entomology . . . Bangalore, 1902.

2 p. l., 8 p. 22½<sup>cm</sup>. (Department of agriculture, Mysore state. Bulletin no. 1)

**Lindemann, Karl Eduardovich.** Entomologische beitrage . . . [Москва, 1887]

13, [1] p. illus. 24<sup>cm</sup>.

“Изд. Императорскаго москавскаго общества испытателей природы.”

**Lindemann, Karl Eduardovich.** Вредныя насѣкомыя Кубанской области. Изслѣдованіе К. Э. Линдемана . . . Изданіе Кубанскаго областнаго статистическаго комитета. Одесса, Типографія Л. Нитче, 1883. .

288, [4] p. 22<sup>cm</sup>.

Injurious insects of the province of Kuban.

“Оттиски изъ Кубанскаго сборника, т. I . . .”

**Lunardoni, Agostino.** Gli insetti nocivi ai nostri orti, campi, frutteti e boschi, loro vita danni e modi per prevenirli per Agostino Lunardoni . . . Napoli, R. Marghieri di Gius, 1889–1901.

Agr 3—12: 5

4 v. in 3. illus. 24<sup>cm</sup>. (*Added t.p.*: La scienza e la pratica dell' agricoltura esposte e coordinate. Trattato completo di agricoltura e di scienze affini per uso dei proprietari ed agricoltori italiani compilato da un' associazione di professori sotto la direzione e con la collaborazione del Cav. Dr. Paride Palmeri . . . e del Prof. Marcello Pepe . . . Vol. II.)

Publisher of v. 2–4: E. Marghieri.

Vol. 3–4 have title: Gli insetti nocivi ai nostri orti, campi, frutteti e boschi, all' uomo ed agli animali domestici, loro vita danni e modi per prevenirli . . .

Contains bibliographies.

CONTENTS.—v. 1. Parte generale e coleotteri. [By Agostino Lunardoni] 1889.—v. 2. Lepidotteri o farfalle. [By Agostino Lunardoni] 1894.—v. 3. Imenotteri e ditteri . . . per il Dr. Gustavo Leonardi . . . 1900.—v. 4. Neurotteri, emitteri, fisapodi, ortotteri e pseudoinsetti . . . per il Dr. Gustavo Leonardi, 1901.

**Major, Joshua.** A treatise on the insects most prevalent on fruit trees and garden produce, giving an account of the different states they pass through, the depredations they commit, and recipes for their destruction, including the recipes of various authors, with remarks on their utility; also, a few hints on the causes and treatment of mildew and canker on fruit trees and cucumbers, &c., &c., &c. By Joshua Major . . . London, Longman, Rees, Orme, Brown, and Green; [etc., etc.] 1829.

Agr 4—216

xv, [1], [9]—302 p. 23½<sup>cm</sup>.

**Marchal, Paul.** . . . L'entomologie appliquée en Europe . . . Paris, 1896.

26 p. 24<sup>cm</sup>.

From the Bulletin de la Société nationale d'acclimatation de France, 1896.

**Marchal, Paul.** . . . Sur les insectes nuisibles de Tunisie et d'Algérie. Paris [1897]

5 p. 23½<sup>cm</sup>.

From Association française pour l'avancement des sciences . . . Congrès de Carthage, 1896.

**Matheson, Robert E.** . . . Special report on insects, fungi, and weeds injurious to farm crops. Illustrated with original drawings by Robert E. Matheson . . . Presented to both Houses of Parliament by command . . . Dublin, Printed for H. M. Stationery off., by A. Thom & co. (limited), 1890.

xiv, 29, [1] p. vii fold. pl. 25<sup>cm</sup>. (Supplement to the Agricultural statistics of Ireland for the year 1889)

**Mexico—Ministerio de fomento, colonización é industria.—Comisión de parasitología agrícola.** . . . Catalogue of collections of pests and insecticides . . . Mexico, F. P. Hoeck and company, 1901.

6 p. 24<sup>cm</sup>.

At head of title: Commission of agricultural parasitology of the Secretary for public promotion. Mexico.

**Miall, Louis Compton.** Injurious and useful insects, an introduction to the study of economic entomology, by L. C. Miall . . . London, G. Bell & sons, 1902.

viii, 256 p. illus. 18½<sup>cm</sup>. [Bell's science series]

**Montillot, Louis.** Les insectes nuisibles . . . Histoire et législation, les forêts, les céréales et la grande culture, la vigne, le verger et le jardin fruitier, le potager, le jardin d'ornement à la maison. Paris, J.-B. Baillière et fils, 1891.

308 p. illus. 18<sup>cm</sup>. (*Half-title*: Bibliothèque des connaissances utiles)

**Murray, Andrew.** Economic entomology. By Andrew Murray, F. L. S. Aptera. Prepared at the request of the Lords of the Committee of Council on education, and published for them. [London] Chapman and Hall [1877] Agr 5—173-4  
1 p. l., xxiii, 433 p. illus. 20<sup>cm</sup>. (*Half-title*: South Kensington museum science handbooks)

— New York, Scribner, Welford and Armstrong [1877] Agr 5—173-4  
1 p. l., xxiii, 433 p. illus. 20<sup>cm</sup>. (*Half-title*: South Kensington museum science handbooks)

**Murray, Andrew.** On extirpation of injurious insects . . . [London, 1877]  
734-738 p. 23½<sup>cm</sup>.

From the Journal of the Society of arts, vol. xxv, no. 1281.

**New South Wales—Dept. of agriculture.** Insect pest chart . . . (Prepared by Claude Fuller) . . . Sydney, 1896.

76 x 51<sup>cm</sup>.

Broadside.

**Notes** for observations of injurious insects. London, 1877.

7 p. illus. 24<sup>cm</sup>.

**Nowicki, Maximilian.** Beobachtungen über der landwirthschaft schädliche thiere in Galizien im jahre 1873 . . . [Wien] 1874.

[355]—376 p. 23<sup>cm</sup>.

From Verhandlungen der K. K. Zoologisch-botanische gesellschaft in Wien, vol. xxiv.

**Ormerod, Eleanor Anne.** Insect prevention. I. [London, 1884]

276—281 p. 23<sup>cm</sup>.

A lecture delivered at the Royal agricultural college, Cirencester.

From Forestry, Feb., 1884.

**Ormerod, Eleanor Anne.** A lecture on injurious insects, delivered at the Royal agricultural college, Cirencester . . . London, 1882.

23 p. illus. 18½<sup>cm</sup>.

**Ormerod, Eleanor Anne.** A manual of injurious insects with methods of prevention and remedy for their attacks to food crops, forest trees, and fruit. To which is appended a short introduction to entomology. Comp. by Eleanor A. Ormerod . . . 2d ed. London, Simpkin, Marshall, Hamilton, Kent & co., limited, 1890.

xiv p., 1 l., 410 p. front. (port.) illus. 22½<sup>cm</sup>.

**Ormerod, Eleanor Anne.** Miss Ormerod on injurious insects. A paper read at a meeting of the Richmond athenæum, on March 27th, 1882, with addresses by Sir Joseph Hooker, C. B., &c., &c. Richmond [1882]

15 p. 18<sup>cm</sup>.

Reprinted from the Richmond and Twickenham times of April 1st.

**Ormerod, Eleanor Anne.** On methods of prevention of insect-injury . . . London, 1884.

8 p. 22<sup>cm</sup>.

From the 'Transactions of the Hertfordshire natural history society,' vol. II, pt. 1, August, 1882.

**Ormerod, Eleanor Anne.** A text-book of agricultural entomology; being a guide to methods of insect life and means of prevention of insect ravage. For the use of agriculturists and agricultural students. By Eleanor A. Ormerod . . . 2d ed. London, Simpkin, Marshall, Hamilton, Kent & co., limited, 1892.

xvi, 238 p. illus. 19<sup>cm</sup>.

**Panton, James Hoyes.** Insect foes and how to destroy them. Economic entomology. By J. Hoyes Panton . . . London, Ont., London printing & lithographing co., 1895.

2 p. l., iii, 85 p. 17½<sup>cm</sup>.

**Porchinskiï, Iosif Aloizîevich.** О вредныхъ насѣкомыхъ южной Россіи. Изъ отчета, представленнаго Департаменту земледѣлія и сельской промышленности секретаремъ энтомологическаго общества, І. Порчинскимъ. С.-Петербургъ, Тип. В. О. Демакова, 1879.

68 p., 1 l. 25<sup>cm</sup>.

Injurious insects of southern Russia; from the report presented to the Department of agriculture and rural industries by the secretary of the Entomological society.



**Reh, Ludwig.** Schädigung der landwirthschaft durch thierfrass im jahre 1898 . . .

[Berlin] 1899.

[561]—565 p. 33<sup>cm</sup>.

From Naturwissenschaftliche wochenschrift, xiv. bd., nr. 48.

**Rendu, Victor.** Les insectes nuisibles à l'agriculture aux jardins et aux forêts de la France, par V. Rendu . . . Paris, Librairie Hachette et c<sup>ie</sup>, 1876.

267 p. illus. 18½<sup>cm</sup>.

**Reuter, Enzo.** Till frågan om inrättandet af en entomologisk försöksstation.

[Helsingfors, 1894?]

10 p. 22<sup>cm</sup>.

Öfvertryck ur Biet.

**Reuter, Odo Morannal.** . . . Ängsmasken, II. Berättelse öfver en på K. Finska hushållningssällskapets bekostnad sommaren 1892 företagen resa i och för studium af ängsmasken och de naturenliga medlen till dess utrotande, af O. M. Reuter. Åbo, Åbo tidnings tryckeri-aktiebolag, 1893.

28 p. 21½<sup>cm</sup>.

At head of title: K. Finska hushållningssällskapet.

**Russia**—*Departament zemledēliia i sel'skoj promyshlennosti.* Хлѣбный жукъ (Anisoplia austriaca) и другія вредныя насѣкомыя: Хлѣбный пилильщикъ (Cephus pygmaeus), гессенская муха (Cecidomya destructor), длинноусикъ (Dorcadion pigrum) С. Петербургъ, 1880.

Agr 4—493

1 p. l., ii, iv, 102 p., 1 l. col. pl. 24½<sup>cm</sup>.

Wheat weevil (Anisoplia austriaca) and other injurious insects: Wheat-stem sawfly (Cephus pygmaeus), Hessian fly (Cecidomya destructor), Dlinnousik (Dorcadion pigrum)

“Литература”: p. 83—87.

**Schilling, Heinrich, freiherr von.** Allerlei nützliche garteninsekten! Neu durchgesehener und vermehrter sonderabdruck aus dem “Praktischen ratgeber im obst- und gartenbau,” von Heinrich freiherr von Schilling . . . 2. aufl. Frankfurt a. d. Oder, Druck und verlag der Königlichen hofbuchdruckerei Trowitzsch u. sohn, 1899.

Agr 4—1782

1 p. l., 35 p. illus., fold. col. pl. 22½<sup>cm</sup>.

**Schmidt, Ferdinand Joseph.** Lebens- und vertilgungsweise einiger dem landwirthschädlicher insecten, nebst angabe einer neuen fang-methode für mehrere nachtschmetterlinge. Nach eigenen erfahrungen zusammengestellt von Ferd. Jos. Schmidt . . . (Bei der Akademie eingegangen den 5. september 1883 . . . ) [Halle, 1835]

1 p. l., 16 p. col. pl. 29½<sup>cm</sup>

Acta Acad. Cæs. Leop. Carol. nat. cur. vol. xvii. p. i.

**Schmidt-Göbel, Hermann Max.** Die schädlichen und nützlichen insecten in forst, feld und garten von med. Dr. H. M. Schmidt-Göbel . . . Vierzehn foliotafeln in farbendruck. Mit erlassen des hohen K. K. Ministeriums für cultus und unterricht vom 27. august 1881, z. 12137 und vom 6. april 1882, z. 4770 zum unterrichtsgebrauche in volks- und bürgerschulen für zulässig erklärt. Wien, Verlag von A. Pichler's witwe & sohn, 1896.

14 col. pl. 39 x 46<sup>cm</sup>.

**Schøyen, Wilhelm Maribo.** . . . Einige bermerkungen zu A. B. Frank: Die tierparasitären krankheiten der pflanzen. Breslau 1896 . . . [Stuttgart, 1898]

3 p. 24<sup>cm</sup>.

Sonderabdruck aus der “Zeitschrift für pflanzenkrankheiten.” VIII. bd., II. hft.

**Schøyen, Wilhelm Maribo.** Hvilke foranstaltninger bør hos os træffes fra det offentlige side til bekjæmpelse af kulturplanternes fiender blandt skadeinsekter og snyltesoppe? Foredrag af konservator W. M. Schøyen i Selskabet for norges vel den 23. februar 1894. [n. p., 1894]

18 p. 23<sup>cm</sup>.

**Shimer, Henry.** Nature's method of controlling noxious insects . . . [Chicago, 1868]

[96]-110 p. 23½cm.

From the Transactions of the Northern Illinois horticultural society, vol. I.

**Smirenskiĭ, Andronik Ivan.** . . . Ueber schädliche Insekten der Umgebung von Kazan . . . Казань, 1891.

18 p. 24cm.

(Труды Общества естествоиспытателей при Императорскомъ Казанскомъ университетѣ. Томъ XXIII. Выпускъ 4)

Added title and text in Russian.

**Somerville, William.** Farm and garden insects, by William Somerville . . . London, New York, Macmillan and co., limited, 1897.

viii, 127, [1] p. illus. 15½cm.

**Stebbing, E. P.** A note on the casuarina insect pests of Madras, by E. P. Stebbing . . . Calcutta, Office of the superintendent of government printing, India, 1903.

Agr 5—635

cover-title, 20 p. 24½cm.

**Targioni Tozzetti, Adolfo.** Considerazioni sull' annata entomologica 1889, secondo le osservazioni della R. Stazione di entomologia agraria di Firenze . . . [Modena? 1890]

19, [1] p. 25½cm.

"Estratto dall' organo Le stazioni sperimentali agrarie italiane, vol. XVIII—fasc. II."

**Targioni Tozzetti, Adolfo.** Cronaca entomologica dell' anno 1887 e dei mesi di gennaio e febbraio 1888 . . . Roma, 1888.

16 p. 24cm.

Estratto dal giornale: Le stazioni sperimentali agrarie italiane, vol. XIV—fasc. I.

For Cronaca for Dec. 16, 1889—Feb. 28, 1890, see his Considerazioni sull' annata entomologica 1889. For Cronaca for Apr.—Sept. 1892, see his Riviste sintetiche.

**Targioni Tozzetti, Adolfo.** Di alcuni rapporti delle coltivazioni cogli insetti e di due casi di infezioni del nocciolo e dell' olivo per cagione di insetti . . . Firenze, 1885.

38 p. 2 pl. 23½cm.

From Atti della Reale accademia economico-agraria dei georgofili di Firenze, 4. ser., vol. VIII, p. 116-148.

**Targioni Tozzetti, Adolfo.** . . . Nota sopra alcuni parassiti del gelso e dell' olivo . . . [Firenze, 1863]

7 p. 21cm.

Estrat. dagli Atti dei georgofili, nuova ser., t. x.

**Targioni Tozzetti, Adolfo.** Rivista sintetiche. Rivista di entomologia agraria. (R. Stazione di entomologia agraria di Firenze) . . . dal 1. aprile . . . [al 30 settembre 1892] [n. p., 1892]

2 nos. 24½cm.

**Tarnani, Ivan Konstantinovich.** . . . Insectes nuisibles dans les vergers et dans les potagers des gouvernements de la Pologne russe et mesures à prendre pour les combattre . . . Варшава, Типографія Варшавскаго учебнаго округа, 1903.

4 p. l., iv, 138 p. illus. 26cm.

Agr 5—242

(Mémoires de l'Institut agronomique et forestier à Nowo-Alexandria (gouv. Lublin) vol. xv [suppl.])

Added t.-p. and text in Russian.

**Taschenberg, Ernst Ludwig.** Die der landwirthschaft schädlichen Insekten und Würmer. Von Dr. E. L. Taschenberg. Eine durch das Königlich preussische Landes-ökonomie-collegium mit dem ersten Preise gekrönte Schrift . . . Auch unter dem Titel: "Naturgeschichte der wirbellosen Thiere, die in Deutschland sowie in den Provinzen Preussen und Posen den Feld-, Wiesen- und Weide-culturlpflanzen schädlich werden." Leipzig, E. Kummer, 1865.

Agr 4—233

xii, 288 p. illus., vii col. pl. 24cm.

Slip pasted over imprint reads: Bremen, M. Heinsius.

"Nachweis der wichtigsten Literatur, welche bei der Benennung und Lebensweise der Thiere benutzt wurde": p. [256]—274.

**Taschenberg, Ernst Ludwig.** Die insekten nach ihrem schaden und nutzen, von Prof. Dr. E. Taschenberg . . . Leipzig, G. Freytag, 1882. Agr 3—1187  
3 p. l., 300 p. illus. 18½cm. (*Added t.-p.*: Das wissen der gegenwart, deutsche universal-bibliothek für gebildete. iv. bd.)

**Theobald, Frederick Vincent.** Notes on economic zoology. [London, 1896—1903]

no. 1-8. illus., plates. 20-21½cm.

Title varies: no. [1-4], Notes on injurious insects; no. [5], Notes on insect pests, etc., for 1898 (second report); no. [6], First report on insect pests, etc., for 1899; no. [7], Notes on economic entomology.

From the Journal of the South-eastern agricultural college, Wye, Kent. no. 4-9, 11-12; Oct. 1896-Apr. 1900, Feb. 1902-Mar. 1903.

**Theobald, Frederick Vincent.** Notes upon insect pests in 1894, with especial reference to insects attacking the walnut . . . Warrington, 1895.

pt. i. v pl. 22cm.

**Thompson, Edward H.** . . . A handbook to the insect pests of farm and orchard: their life history and methods of prevention . . . By Edward H. Thompson. Launceston, Printed at the "Examiner" and "Tasmanian" office, 1892-95.

2 pts. illus., ix pl. 18cm. (pt. ii, 21cm.) (Department of agriculture, Tasmania, Bulletin no. 1, 6)

Pt. ii has title: . . . Insect and fungus pests of the field, farm, and garden: part ii. of "A handbook to the insect pests of farm and orchard." By Edward H. Thompson . . . ed. by F. W. J. Moore . . .

Imprint of pt. ii: Hobart, Printed for the Council of agriculture by Davies brothers, limited, 1895.

**Tryon, Henry.** . . . Report on insect and fungus pests no. 1; by Henry Tryon . . . Brisbane, J. C. Beal, government printer, 1889. Agr 2—147

ix, 238 p. 4 pl. 22cm.

At head of title: Department of agriculture. Queensland.

**Villa, Antonio.** Degli insetti carnivori adoperati a distruggere le specie dannose all' agricoltura; memoria entomologico-agraria . . . Milano, 1845.

35 p. col. pl. 25cm.

Estratto dallo Spettatore, vol. III, nùm. 19.

**Westwood, John Obadiah.** A series of articles on the insects most injurious to cultivators . . . [London, 1837-39]

no. 4-15. illus. 22½cm.

From the Gardener's magazine, vol. XIII-XV.

CONTENTS.—no. 4. The onion fly.—no. 5. Wheat flies.—no. 6. The asparagus beetle.—no. 7. Rose moths.—no. 8. The small ermine moth.—no. 9. The slimy grub of the pear and other fruit trees.—no. 10. The caterpillar of the apricot bud.—no. 11. The wire-worm.—no. 12. The apple, or codling, moth.—no. 13. The elm-destroying Scolytus.—no. 14. Apple insects.—no. 15. Celery and chrysanthemum leaf-miners.

**[Whitehead, Charles]** . . . Annual report of the Intelligence department on injurious insects and fungi. 1890. London, Printed for H. M. Stationery off., by Eyre and Spottiswoode, 1891. Agr 4—42

v, 31 p. illus. 24½cm.

Signed: Charles Whitehead.

At head of title: Board of agriculture.

**[Whitehead, Charles]** First annual report of the Agricultural adviser to the Lords of the Committee of council for agriculture. 1887. (Insects and fungi injurious to the crops of the farm, the orchard, and the garden) Presented to both Houses of Parliament by command . . . London, Printed for H. M. Stationery off., by Eyre & Spottiswoode, 1888. Agr 4—39

42 p. illus. 24½cm.

Introduction signed: Charles Whitehead.

**[Whitehead, Charles]** Second annual report of the Agricultural adviser to the Lords of the Committee of council for agriculture. 1888. (Insects and fungi injurious to the crops of the farm, the orchard, and the garden) Presented to both Houses of Parliament by command . . . London, Printed for H. M. Stationery off., by Eyre and Spottiswoode, 1888. Agr 4—40

53 p. illus. 24½cm.

Introduction signed: Charles Whitehead.



**Whitehead, Charles.** . . . Third annual report on insects and fungi injurious to the crops of the farm, the orchard, and the garden, by Charles Whitehead . . . 1889. Presented to both Houses of Parliament by command . . . London, Printed for H. M. Stationery off., by Eyre and Spottiswoode, 1890.

Agr 4—41

74 p. illus. 24½cm.

At head of title: Board of agriculture.

[**Whitehead, Charles**] . . . Report on insects and fungi injurious to crops. 1892. London, Printed for H. M. Stationery off., by Eyre and Spottiswoode, 1893.

60 p. x col. pl. 24½cm.

Agr 4—43

At head of title: Board of agriculture.

"The following report . . . has been prepared by Mr. Charles Whitehead."—Pref.

**Whitehead, Charles.** Reports on insects injurious to hop plants, corn crops, and fruit crops in Great Britain, prepared for the Agricultural department, Privy council office, by Charles Whitehead . . . 1885. Presented to both Houses of Parliament by command . . . London, Printed by Eyre and Spottiswoode, 1885-86.

no. 1-3. illus. 24½cm.

CONTENTS.—no. I. Insects injurious to hop plants.—no. II. Insects injurious to corn, grass, pea, bean, and clover crops.—no. III. Insects injurious to fruit crops.

**Whitehead, Charles.** Reports on insects injurious to root and certain other crops in Great Britain, prepared for the Agricultural department, Privy council office, by Charles Whitehead . . . Presented to both Houses of Parliament by command . . . London, Printed for H. M. Stationery off., by Eyre and Spottiswoode, 1897.

Agr 4—44

86 p., 1 l. illus. 24½cm.

**Zehntner, Leo.** De bestrijding der boorders, door Dr. L. Zehntner. Soerabaia, H. van Ingen, 1896.

cover-title, 6 p. 26½cm.

At head of title: Congres van het algemeen syndicaat van suikerfabrikanten op Java.

## INSECTICIDES.

**Baxter, E. J.** Some remarks on spraying . . . [Jefferson City, 1901]

276-280 p. 23cm.

From the 43d annual report of the Missouri state horticultural society, 1900.

**Berlese, Antonio.** . . . Insetticidi ed insettifughi contro alcuni insetti e specialmente contro la *Cochylis ambiguella*, il *Dacus oleae* e la *Carpocapsa pomonana* . . . Avellino, 1895.

24 p. 23½cm.

Estratto dalla Rivista di patologia vegetale, anno III.—n. 5-12.

**Breed, Daniel.** Recent inventions for insect destruction. (U. S. Agriculture, Commissioner of. Report . . . for the year 1876. Washington, 1877. p. 323-325. illus.)

**Chittenden, Frank Hurlbut.** Remedies for insect pests in vegetable and flower gardens and conservatories . . . [Philadelphia, W. A. Burpee & co., 1901]

[4] p. illus. 44 x 15½cm.

**Cook, Albert John.** Arsenical poisons as insecticides . . . [Columbus, 1889]

27-32 p. 23cm.

From the Proceedings of the tenth annual meeting of the Society for the promotion of agricultural science, held at Toronto, Canada, 1889.

**Cook, Albert John.** Experiments with insecticides . . . [Columbus] 1883.

138-140 p. 24cm.

From the 16th annual report of the Ohio state horticultural society for 1882-83.

**Eichhoff, Wilhelm Josef.** Vorschläge zur vertilgung verschiedener forst- und landwirthschaftlich schädlicher kerbthiere durch seifenwasser . . . [München] 1892.

19 p. 23½cm.

Einzelnabdruck aus der "Forstlich-naturwissenschaftlichen zeitschrift." 1892, hft. 2-3.

**Fowler, Frederick Homer.** Insecticides and their application. Compiled under the direction of the secretary of the State board of agriculture. by F. H. Fowler . . . for the information and use of the agriculturists and fruit growers of the commonwealth. April, 1891. Boston, Wright & Potter printing co., state printers, 1891. 16 p. 23½cm.

**Frank, Albert Bernhard.** Über den direkten einfluss der kupfer-vitriol-kalk-brühe auf die kartoffel-pflanze . . . Von B. Frank . . . und Friedrich Krüger . . . Prenzlau, Druck von A. Mieck, 1894.

46 p. col. pl. 25cm. (*Added t.-p.*: Arbeiten der Deutschen landwirtschafts-gesellschaft, hft. 2)

**Gastine, G.** Sur les ravages de la pyrale dans le Beaujolais et sur la destruction des papillons nocturnes au moyen de pièges lumineux alimentés par le gaz acétylène; par MM. G. Gastine et V. Vermorel . . . [Paris, 1901]

4 p. 27½cm.

From Comptes rendus . . . de l'Académie des sciences, tome 133, p. 488-491.

**Haywood, John Kerfoot.** Insecticides and fungicides; chemical composition and effectiveness of certain preparations. Washington, 1902.

16 p. 23cm. (U. S. Agriculture, Dept. of. Farmers' bulletin 146)

**Herrera, Alfonso L.** . . . La destrucción de los gusanos y otros insectos perjudiciales por medio del verde de Paris . . . [Mexico, 1904]

7 p. 26cm. (Comisión de parasitología agrícola . . . circular número 4)

**Hinds, Warren Elmer.** Carbon bisulphid as an insecticide. Washington, 1902.

28 p. 23cm. (U. S. Agriculture, Dept. of. Farmers' bulletin 145.)

Appendix contains report by E. E. Ewell on the chemistry of carbon bisulphid.

**Horváth, Géza von.** . . . A permetező készílékek a kertészet szolgálatában . . . Budapest, 1890.

18 p. illus. 23½cm. (A M. K. Állami rovar-tani állomás közleményei. 1. kötet, 1. füzet)

**Horváth, Géza von.** . . . Védekezés a kártékony rovarok eelen . . . Budapest, 1873.

23 p. illus. 23cm. (A M. Kir. Állami rovar-tani állomás közleményei. 1. kötet, 9. füzet)

**Howard, Leland Ossian.** Hydrocyanic-acid gas against household insects. Washington, 1902.

4 p. 23cm. (U. S. Agriculture, Dept. of—Entomology, Division of. Circular, ser. 2, no. 46)

**Howard, Leland Ossian.** Use of steam apparatus for spraying. (U. S. Agriculture, Dept. of. Yearbook, 1896. Washington, 1897. pp. 69-88. illus., 2 pl.)

**Johnson, Willis Grant.** Fumigation methods; a practical treatise for farmers, fruit growers, nurserymen, gardeners, florists, millers, grain dealers, transportation companies, college and experiment station workers, etc. By Willis G. Johnson . . . New York, O. Judd company, 1902. 2-8330

xvi, 313 p. front. (port.). illus. 19cm.

**Johnson, Willis Grant.** Recent results with hydrocyanic-acid gas for the destruction of insects in large buildings. (U. S. Agriculture, Dept. of—Experiment stations, Office of. Bulletin 99. Washington, 1901. p. 166-170)

**Joly, Charles.** . . . Note sur le concours international tenu à Florence, relative-ment aux appareils à projeter les insecticides . . . [Paris] 1887.

4 p. 21½cm.

Extrait du Journal de la Société nationale d'horticulture de France, n° de février 1887, p. 101-105.

**Joly, Charles.** Rapport . . . sur le Thanatophore de M. Martre . . . Paris, 1886.

1 p. l., 4 p. 21½cm.

Extrait du Journal de la Société nationale d'horticulture de mars 1886.

**Kiser, J. J.** Dust spray . . . [Jefferson City, 1901?]

280-287 p. 23cm.

From the 43d annual report of the Missouri State horticultural society, 1900.

**Krüger, Friedrich.** Erfahrungen über die verwendbarkeit des petroleums als insecticid . . . [Berlin] 1896.

8 p. illus. 25<sup>cm</sup>.

Sonder-abdruck aus "Gartenflora" 1896, s. 99 und 125.

**Lefroy, H. Maxwell.** . . . The general treatment of insect pests . . . [n. p., "Agricultural reporter" printing office] 1901.

2 p. l., 29 p. 18<sup>cm</sup>. ( . . . Imperial department of agriculture for the West Indies. Pamphlet ser., no. 5)

**Lodeman, Ernest Gustavus.** The spraying of plants, a succinct account of the history, principles and practice of the application of liquids and powders to plants for the purpose of destroying insects and fungi, by E. G. Lodeman . . . with a preface by B. T. Galloway . . . New York, London, The Macmillan company, 1899.

xvii, 399 p. incl. front. (port.) illus. 18<sup>cm</sup>. (*Half-title:* The rural science series. Ed. by L. H. Bailey)

**Manning, Jacob W.** . . . What is the best method of repelling or destroying the insect enemies of fruits and fruit trees, especially the codling moth? Is trapping a proved success? What are the results of experiments with Paris green, or any other poisonous application? . . . [Boston, 1883]

10-16 p. 22½<sup>cm</sup>.

From the Transactions of the Massachusetts horticultural society . . . 1883.

**Marlatt, Charles Lester.** Important insecticides: directions for their preparation and use. Washington, 1894.

20 p. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of. Farmers' bulletin 19)

— — — [Ed. 2] rev. Washington, 1895. .

23 p. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of. Farmers' bulletin 19)

— — — [Ed. 3] rev. Washington, 1897.

32 p. illus. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of. Farmers' bulletin 19)

— — — [Ed. 4] rev. Washington, 1898.

32 p. illus. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of. Farmers' bulletin 19)

— — — Washington, 1901.

42 p. illus. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of. Farmers' bulletin 127).

Revision of Farmers' bulletin no. 19.

**Marlatt, Charles Lester.** Lime, sulphur, and salt wash. Washington, 1903.

8 p. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Circular, ser. 2, no. 52)

**Mohr, Carl.** Die insektengifte und pilztötenden heilmittel. Eine anleitung zur herstellung und zum gebrauch derselben für landwirte, gärtner, baumzüchter, blumenfreunde, winzer und forstmänner, von Carl Mohr . . . Stuttgart, E. Ulmer, 1893.

Agr 4—1771

viii, 118 p. illus. 18½<sup>cm</sup>.

**Mokrzhet'skiĭ, Sigismund A.** . . . Über die anwendung des chlorbaryum gegen schädliche insekten in gärten und auf feldern . . . [Stuttgart, 1904]

2 p. 24<sup>cm</sup>.

Sonderabdruck aus der "Zeitschrift für pflanzenkrankheiten," XIII. bd., 4, hft.

**National convention for the suppression of insect pests and plant diseases by legislation.** Proceedings of the National convention . . . held at Washington, D. C., March 5 and 6, 1897. Ed. by B. T. Galloway, Washington, 1897.

31 pp. 8°. (U. S. Agriculture, Dept. of. [Report no. 57])

**Ormrod, Eleanor Anne.** Paris-green (or emerald-green) its uses, and methods for its application, as a means of destruction of orchard moth caterpillars. [London, 1891]

8 p. 21½<sup>cm</sup>.

**Reinlein, Fred.** The use of the gasoline torch in fighting insects and fungi . . . Mount Vernon, Ill., 1901.

24 p. illus. 19½<sup>cm</sup>.



**Riley, Charles Valentine.** The kerosene emulsion: its origin, nature, and increasing usefulness . . . [Syracuse, 1892?]

[83]-98 p. 22<sup>cm</sup>.

Printed from the Proceedings of the Washington meeting of the Society for the promotion of agricultural science, held at Washington, August 17, 1891.

**Schøyen, Wilhelm Maribo.** Forsøg-med. "fostite," anstillet paa Bygdø kongsgaard. Af statensentomolog W. M. Schøyen. [n. p., 189-]

3 p. 23<sup>cm</sup>.

**Schøyen, Wilhelm Maribo.** Insekt- og sopfordrivende midler; veiledning til deres anvendelse i land- og havebruget af W. M. Schøyen . . . Kristiania, Grøn-dahl & søns forlag, 1896.

Agr 3—206

16 p. 18<sup>cm</sup>.

**Schøyen, Wilhelm Maribo.** Om anvendelsen af insekt- og sopfordrivende midler i havebruget . . . af W. M. Schøyen. [n. p., 1893]

19 p. illus. 22<sup>1</sup>/<sub>4</sub><sup>cm</sup>.

Foredrag i "Havedyrkningens venners" general-forsamling 24. oktober 1893.

**Schøyen, Wilhelm Maribo.** . . . Über petroleum-emulsion. . . . [Stuttgart, 1896]

[150]-151 p. 24<sup>cm</sup>.

Sonderabdruck aus der "Zeitschrift für pflanzenkrankheiten." vi. bd., 3. hft.

**Slingerland, Mark Vernon.** The Cornell mixture . . . New York, 1893.

105-106 p. 30<sup>cm</sup>.

From Science, vol. XXII., no. 551, August 25, 1893.

**Stedman, John Moore.** A treatise on spraying, with description of insects attacking apple, peach and strawberry, and treatment recommended for holding them in check. Formulæ for spraying mixtures. By J. M. Stedman . . . St. Joseph, Missouri, The Fruit-grower company, 1905.

5—11342

123 p. illus. 14<sup>1</sup>/<sub>2</sub><sup>cm</sup>. (On cover: "Brother Jonathan series," — no. 2)

**Stinson, J. T.** Spraying . . . [Jefferson City, 1901]

273-276 p. 23<sup>cm</sup>.

From the 43d annual report of the Missouri state horticultural society, 1900.

**Sweet, John.** . . . On the destruction of caterpillars on fruit trees . . . [London, 1824]

76-78 p. 23<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

From the Transactions of the Horticultural society of London, vol. v, 1824.

**Taylor, Thomas.** Naphthaline as an insecticide, etc. Its effects on seeds, plants, insects, and other animals. By Dr. Thomas Taylor . . . Read at the fifty-fourth regular meeting of the Biological society of Washington, December 28th, 1883, held in the U. S. national museum. [n. p., 1884?]

6 p. 23<sup>1</sup>/<sub>4</sub><sup>cm</sup>.

**Theobald, Frederick Vincent.** Tabulated list of orchard "insect pests" affected by spraying, with date of appearance of egg, larva, &c., and the advisable washes and time for application. By F. V. Theobald . . . London and Ashford, Headley brothers [1899]

19 p. 21<sup>cm</sup>.

**Townsend, Charles Henry Tyler.** . . . Insecticides. [Las Cruces, N. M., 1892]

1 l. 36<sup>cm</sup>.

From the Rio Grande republican, Las Cruces, N. M., May 27, 1892.

**United States—Dept. of agriculture.** Methods for controlling injurious insects; preparation and use of insecticides. (*Its Yearbook*, 1894, p. 572-576; 1895, p. 580-586; 1896, p. 617-623; 1897, p. 635-640; 1898, p. 657-662. Washington, 1895-99)

**United States**—*Dept. of agriculture*. Spraying fruits for insect pests and fungous diseases, with a special consideration of the subject in its relation to the public health. Washington, 1892.

20 p. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of. Farmers' bulletin 7)

**United States**—*Dept. of agriculture—Division of entomology*. Condensed information concerning some of the more important insecticides. Washington, 1891.

7 p. 23<sup>cm</sup>. (*Its Circular*, ser. 2, no. 1)

**United States**—*Dept. of agriculture—Division of entomology*. Reports of experiments, chiefly with kerosene, upon the insects injuriously affecting the orange tree and the cotton plant, made under the direction of the entomologist. Washington, 1883.

62 p. 83<sup>cm</sup>. (*Its Bulletin* 1)

**United States**—*Dept. of agriculture—Division of entomology*. Reports of experiments with various insecticide substances, chiefly upon insects affecting garden crops. Washington, 1886.

34 p. 23<sup>cm</sup>. (*Its Bulletin* 11)

**United States**—*Patent office*. Persian insect powder. (U. S. Patent office. Report of the Commissioner of patents for the year 1857. Agriculture. Washington, 1858. p. 129-130)

**Vermorel, Victor**. . . . Note sur la destruction des vers blancs (*Melolontha vulgaris*) par sulfure de carbone, présentée au Congrès viticole de Mâcon, par V. Vermorel . . . Montpellier, Coulet; [etc., etc.] 1887.

10 p. 26½<sup>cm</sup>. (Bibliothèque du Progrès agricole et viticole)

**Vermorel, Victor**. Les pièges lumineux et la destruction des insectes nuisibles, par V. Vermorel . . . Villefranche (Rhône), Aux bureaux du "Progrès agricole et viticole," 1902.

64 p. illus. 21½<sup>cm</sup>. (Bibliothèque du Progrès agricole et viticole)

"Bibliographie:" p. 61-64.

**Webster, Francis Marion**. Parasites and insecticides. *See under* Parasitic insects, p. 81.

**Webster, Francis Marion**. The use of arsenate of lead as against the codlin moth . . . [Syracuse] 1903.

[69]-71 p. 23<sup>cm</sup>.

From Proceedings twenty-fourth annual meeting of Society for promotion of agricultural science

**Weed, Clarence Moores**. Spraying crops, why, when, and how, by Clarence M. Weed . . . 2d (rev.) ed. New York, The O. Judd company, 1894.

130 p. front., illus. 15½<sup>cm</sup>.

**Whitehead, Charles**. Methods of preventing and checking the attacks of insects and fungi. By Charles Whitehead . . . London, J. Murray, 1891.

cover-title, 40 p. illus. 21½<sup>cm</sup>.

**Willemot, C**. On the destruction of noxious insects by means of the "Pyrethrum Willemoti" Duchartre. Tr. from the French by C. Willemot. (U. S. Patent office. Report of the Commissioner of patents for the year 1861. Agriculture. Washington, 1862. p. 223-231)

**Woods, Albert Fred**. Use of hydrocyanic acid gas for fumigating greenhouses and cold frames. Washington, 1899.

10 p. illus. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Circular, ser. 2, no. 37)

By Albert F. Woods and P. H. Dorset.

— — — Rev. ed. Washington, 1903.

10 p. illus. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Circular, ser. 2, no. 37)

By Albert F. Woods and P. H. Dorset.

## LEGISLATION.

**Felt, Ephraim Porter.** Suggestions toward greater uniformity in nursery inspection laws and rulings. (U. S. Agriculture, Dept. of—Experiment stations, Office of. Bulletin 99. Washington, 1901. p. 161–163)

**Forbes, Stephen Alfred.** Excellencies and defects of existing legislation for the control of insect and fungus pests. (U. S. Agriculture, Dept. of—Experiment stations, Office of. Bulletin 123. Washington, 1903. p. 122–126)

**France.**—*Département de la Seine-Inférieure—Laboratoire régional d'entomologie agricole, Rouen.* Tarif et règlement, approuvés par la Commission de surveillance. 4 p. 8°. [Rouen, n. d.]

**Howard, Leland Ossian.** Legislation against injurious insects; a compilation of the laws and regulations in the United States and British Columbia. Washington, 1895.

46 p. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin 33)

**Howard, Leland Ossian.** Recent laws against injurious insects in North America, together with the laws relative to foul brood. Washington, 1898.

68 p. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, new ser., 13)

**Howard, Leland Ossian.** Regulations of foreign governments regarding importation of American plants, trees, and fruits. Washington, 1900.

4 p. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Circular, ser. 2, no. 41)

**Newell, Wilmon.** I. Fumigation of nursery stock. II. Inspection laws of other states . . . Rome, Ga., 1904.

22, [1] p. illus. 23½<sup>cm</sup>. (Georgia state board of entomology. Bulletin no. 11)

**Scott, W. M.** . . . I. Legislation against crop pests. II. Dangerous pests prescribed by the Board, with remedial suggestions. By W. M. Scott. Atlanta, Ga., Allen & Horton, book and job printers, 1899.

Agr 3—208

32 p. illus. 23<sup>cm</sup>. (Georgia state board of entomology. Bulletin no. 1, April, 1899)

**Viret, Georges.** Législation et jurisprudence concernant les insectes utiles et nuisibles à l'agriculture et les oiseaux insectivores, par Georges Viret . . . avec une préface de M. C. Jouffrault . . . Paris [etc.] Berger-Levrault et c<sup>ie</sup>, 1896.

vii, 265 p. 22<sup>cm</sup>.

Agr 4—3400

## PARASITIC INSECTS.

**Beneden, Pierre Joseph van.** Die schmarotzer des thierreichs. Von P. J. van Beneden . . . Autorisirte ausgabe. Leipzig, F. A. Brockhaus, 1876. Agr 3—1056  
3 p. l., 274 p. illus. 19½<sup>cm</sup>. (*Half title:* Internationale wissenschaftliche bibliothek. xviii. bd.)

**Brauer, Friedrich.** Ueber einige schmarotzende und parasitische insecten. Ein vortrag gehalten im Vereine zur verbreitung naturwissenschaftlicher kenntnisse in Wien am 21. februar 1883 von Prof. Dr. Friedrich Brauer . . . Wien, Selbstverlag des Vereines zur verbreitung naturwissenschaftlicher kenntnisse, 1883.

16 p. illus. 18½<sup>cm</sup>.

**California**—*State board of horticulture.* Report on the importation of parasites and predaceous insects . . . in accordance with an act of the legislature, approved March 31, 1891. Sacramento, 1892.

15 p. col. front. 23<sup>cm</sup>.

"Expert's trip to foreign countries. New species introduced: by Albert Koebele;" p. 7–12.

"Report on condition of newly introduced species in California, by Alexander Craw;" p. 13–15.

**Cutting, Hiram Adolphus.** Parasitic insects of domestic animals, and their destruction . . . [Montpelier, 1874]

[425]–439 p. 22<sup>cm</sup>.

From the Second biennial report of the Vermont state board of agriculture, manufactures and mining. 1873–74.



**Dubreuilh, William Auguste.** . . . Les parasites animaux de la peau humaine par W. Dubreuilh et L. Beille . . . Paris, Masson et cie. [etc.] [1896]  
185, [1] p. illus. 18½cm. (Encyclopédie scientifique des aide-mémoire pub. sous la direction de M. Léauté . . .)

"Bibliographie:" p. [179]-182.

**Giebel, Christian Gottfried Andreas.** Insecta epizoa. Die auf säugethieren und vögeln schmarotzenden insecten nach Chr. L. Nitzsch's nachlass, bearb. von Prof. Dr. C. G. Giebel . . . Mit xx tafeln nach Chr. L. Nitzsch's handzeichnungen. Leipzig, O. Wigand, 1874.

Agr 3—1252

xiv p., 1 l., 308 p. xx pl. (xviii col.) 41½cm.

**Giglioli, Enrico Hillyer.** On some parasitical insects from China . . . [London, 1864?]

18-26 p. pl. 21½cm.

From the Quarterly journal of microscopical science. iv n. s. 1864.

**Great Britain—Board of agriculture.** . . . External parasites of poultry. [London, 1899]

8 p. illus. 21½cm. (Its Leaflet no. 57)

**Hagen, Hermann August.** . . . On larvæ of insects discharged through the urethra . . . [Boston] 1878.

[107]-118 p. 23cm.

From the Proceedings of the Boston society of natural history, vol. xx, November 27, 1878.

**Heller, Arnold.** Die schmarotzer mit besonderer berücksichtigung der für den menschen wichtigen. Von Dr. Arnold Heller . . . München und Leipzig, R. Oldenbourg, 1880.

xvi, 248 p. illus., map. 18cm.

"Literatur:" p. [xv]-xvi.

Advertisements: p. [231]-248.

**Howard, Leland Ossian.** Study in insect parasitism; a consideration of the parasites of the white-marked tussock moth, with an account of their habits and inter-relations, and with descriptions of new species. Washington, 1897.

57 p. illus. 23cm. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, tech. ser., 5)

**Küchenmeister, Friedrich, i. e., Gottlob Friedrich Heinrich.** Die in und an dem körper des lebenden menschen vorkommenden parasiten. Ein lehr- und handbuch der diagnose und behandlung der thierischen und pflanzlichen parasiten des menschen. Zum gebrauch für studirende der medicin und der naturwissenschaften, für lehrer der zoologie, botanik, physiologie, pathologischen anatomie und für praktische ärzte, bearb. von Friedrich Küchenmeister . . . Leipzig, B. G. Teubner, 1855.

2 pts. in i v. illus., 14 pl. (partly col.) 22cm.

**Mégnin, Pierre, i. e., Jean Pierre.** Les parasites et les maladies parasitaires chez l'homme, les animaux domestiques et les animaux sauvages avec lesquels ils peuvent être en contact. Par P. Mégnin . . . Insectes, arachnides, crustacés. Avec 63 figures dans le texte et un atlas de 26 planches dessinées par l'auteur. Paris, G. Masson, 1880.

3 p. l., 478 p. illus. and atlas of 26 l., 26 pl. 22cm.

**Osborn, Herbert.** Insects affecting domestic animals: an account of the species of importance in North America, with mention of related forms occurring on other animals. Washington, 1896.

302 p. illus., 5 pl. 23cm. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, new ser., 5)

Literature: pp. 288-293.

**Riley, Charles Valentine.** Parasitic and predaceous insects . . . [New York, 1894]

678-685 p. 23½cm.

From the Popular science monthly, vol. xlv, no. 5.

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xv, 78 p. illus., iv pl. 22½cm.

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**Curtis, John.** Observations on the natural history and economy of various insects affecting carrots and parsnips, including plant-lice, the maggots of flies, the caterpillars of moths, &c. . . . Paper xiv. London, 1848.

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**Eisbein, C. J.** Die kleinen feinde des rübenbauers, ihr thun und treiben, ihre erkenntung und die massregeln zu ihrer einschränkung. Im auftrage des directoriums des Vereins für die rübenzuckerindustrie im Deutschen Reiche bearb. von C. J. Eisbein . . . [Berlin] Selbstverlag des directoriums des Vereins für die rübenzucker-industrie des Deutschen Reichs (J. Kieschke) 1882.

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[417]-424 p. 23<sup>cm</sup>.

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**Froggatt, Walter Wilson.** Fruit-tree and vine pests . . . [Sydney, 1898]

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From the Agricultural gazette of New South Wales, vol. IX, 1896.

**Fuller, Claude.** A serious fruit pest. The fruit-fly or peach maggot . . . [Perth] 1897.

1147-1148 p. 28½<sup>cm</sup>.

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**Glover, Townend.** Insects frequenting the cotton-plant. (U. S. Patent office. Report of the Commissioner of patents for the year 1855. Washington, 1856. p. 64-115)

**Glover, Townend.** Insects frequenting the orange trees of Florida. (U. S. Patent office. Report of the Commissioner of patents for the year 1858. Agriculture. Washington, 1859. p. 256-271)

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1 p. l., 2 l. xxii pl. 31<sup>cm</sup>.

**Gt. Brit.**—*Board of agriculture.* . . . Caterpillars on fruit trees. [London, 1888] 3 p. illus. 33<sup>cm</sup>. (*Its* [Leaflet] 1888 [no.] 49).

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Signed: Charles Whitehead.

**Gt. Brit.**—*Board of agriculture.* . . . Insects on fruit trees. [London, 1893] [25]-26 p. 24½<sup>cm</sup>. (*Its* [Leaflet] 1893 [no.] 4)

**Green, Edward Ernest.** Insects injurious to stored paddy. [Colombo] 1898. [45]-49 p. 22½<sup>cm</sup>. (Royal botanic gardens, Ceylon. Circular. ser. I, no. 6, June 11, 1899)

**Guercio, Giacomo del.** Animali ed insetti del tabacco in erba e del tabacco secco del Prof. Ad. Targioni Tozzetti . . . Firenze, 1892.

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Estratto dal giornale l'Agricoltura italiana, anno XVIII—fasc. 247—31 agosto, 1892.

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From Transactions of the London society of arts, vol. XLVI, 1828.

**Hind, H. Y.** Essay on the insects and diseases injurious to the wheat crops. By H. Y. Hind . . . To which was awarded, by the Bureau of agriculture and statistics, the first prize . . . Toronto, Printed by Lovell & Gibson, 1857. Agr 4-209  
v, [2], [9]-139, [1] p. illus. 23<sup>cm</sup>.

**Howard, Leland Ossian.** Insects affecting the cotton plant. Washington, 1897. 32 p. illus. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of. Farmers' bulletin 47)

"Reprinted, with revision by the author, from Bulletin 33, Office of experiment stations."

**Howard, Leland Ossian.** . . . Pests of the hop crop . . . [N. Y., etc., 1899] 113-158 p. illus. 20<sup>cm</sup>.

From Myrick, Herbert. The hop.

**Howard, Leland Ossian.** Principal insects affecting the tobacco plant. Washington, 1900.

32 p. illus. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of. Farmers' bulletin 120)

**Hubbard, Henry Guernsey.** Insects affecting the orange; report on the insects affecting the culture of the orange and other plants of the citrus family, with practical suggestions for their control or extermination. Washington, 1885.

227 p. illus., 14 pl. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. [Publication])

**Jablonowski, József.** . . . A gyümölcsfák és a szőlő kártevő rovarai . . . Budapest, 1902.

83, [8] p. iv col. pl. 23<sup>cm</sup>. (A M. Kir. Földmívelésügyi minister kiadványa. 1902. 3.szám)

**Jolicœur, Henri.** Description des ravageurs de la vigne, insectes et champignons parasites représentés en couleur, avec indication des meilleurs moyens à employer pour les combattre, par le Dr. Henri Jolicœur . . . vingt planches en chromolithographie dessinées d'après nature par Mlle. Anna Bauler. Reims, F. Michaud [etc., etc.], 1894.

Agr 3—1254

[iii]—viii, 236 p., 1 l. xx col. pl. 36 $\frac{1}{2}$ cm.

Each plate accompanied by leaf of description.

"Bibliographie:" p. [33], [50], [114], [155].

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Reprinted by permission of the government of New Zealand.

**Kobus, J. D.** . . . Bijdragen tot de kennis der rietvijanden, door J. D. Kobus . . . Soerabaia, H. van Ingen, 1894-97.

pt. 2, 5-7. III col. pl. 26cm. (Mededeelingen Proefstation "Oost-Java," nieuwe ser. no. 8, 20, 43)

Overgedrukt uit het Archief voor de Java-suikerindustrie, 1894, afl. 7; 1896, afl. 5; 1897, afl. 6.

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[407]—412 p. 23cm.

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**Lea, Arthur M.** . . . Notes on the Mediterranean fruit fly and Queensland fruit fly by Arthur M. Lea . . . Hobart, Tasmania, John Vail, government printer, 1899.

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At head of title: Department of agriculture, Tasmania.

**Lesne, Pierre.** Les insectes des grains. [Paris] 1896.

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**Lindemann, Karl Eduardovich.** О главнѣйшихъ насѣкомыхъ вредящихъ табуку въ Бессарабіи. Профессора К. Э. Линдемана . . . Одесса, Типографія Л. Нитче, 1888.

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The principal insects injurious to tobacco in Bessarabia.

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**Lintner, Joseph Albert.** . . . The insects of the clover plant . . . [Albany, 1884]

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From the Fortieth annual report of the New York state agricultural society, for 1880.

**Lucet, Émile.** Les insectes nuisibles aux rosiers sauvages & cultivés en France. Descriptions et mœurs—Dégâts—Moyens de destruction. Par Émile Lucet . . . 2. éd. rev. et augm. Paris, Librairie des sciences naturelles, P. Klincksieck, 1900.

xi, 380 p. 13 pl. 22 $\frac{1}{2}$ cm.

Agr 3—921

Each plate accompanied by a guard sheet with page of descriptive text.

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**Marlatt, Charles Lester.** Principal insect enemies of growing wheat. Washington, 1901.

38 p. illus. 23cm. (U. S. Agriculture, Dept. of. Farmers' bulletin 132)

**Marlatt, Charles Lester.** Principal insect enemies of the grape. Washington, 1898.

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**Mason, James Wood-**. . . . Report on some insects destructive to the castor-oil plant in the Bellary district . . . [Calcutta ? 1886]

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**Morgan, Joseph Harcourt Alexander**. Life history of the sugar-cane borer in Louisiana. (U. S. Agriculture, Dept. of—Experiment stations, Office of. Bulletin 115. Washington, 1902. p. 128-129)

**Nietner, John**. The coffee tree and its enemies; being observations on the natural history of the enemies of the coffee tree in Ceylon. By the late J. Nietner. 2d ed. rev., and in some places corr. by S. Green, Esq. Colombo, A. M. & J. Ferguson, 1880.

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**Olliff, Arthur Sidney**. . . . Report on a visit to the Clarence River district for the purpose of ascertaining the nature and extent of insect ravages in the sugar-cane crops . . . [Sydney, 1893]

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**Perkins, George Henry**. Insects injurious to the potato and apple . . . Rutland, 1876.

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From 3d report of the State board of agriculture [of Vermont]

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viii, 136 p. 11 fold. pl. 23<sup>cm</sup>. (Acta Societatis pro fauna et flora Fennica, XIX, n:o 1)

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**Ridley, Henry Nicholas**. Report on the destruction of coco-nut palms by beetles. Singapore, 1889.

11 p. fold. pl. 21<sup>cm</sup>.

**Riley, Charles Valentine**. Potato pests. Being an illustrated account of the Colorado potato-beetle and the other insect foes of the potato in North America. With suggestions for their repression and methods for their destruction. By Charles V. Riley . . . New York, O. Judd company [1876]

Agr 4—224

108 p. incl. front. (map) illus. 19<sup>½</sup><sup>cm</sup>.

**Rolfs, Peter Henry**. Orange insects and diseases. Injurious insects and diseases of the year . . . [Tallahassee] 1898.

35-38, 85-93 p. illus. 24<sup>cm</sup>.

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— — — Addenda and index. Manchester, 1886.

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Agr 3—203

xviii p., 2 l., 188 p. II fold. pl. 19<sup>cm</sup>.

**Saunders, William.** Insects injurious to fruits. By William Saunders . . . Philadelphia, London, J. B. Lippincott & co., 1883.

436 p. illus. 21 $\frac{1}{2}$ <sup>cm</sup>.

**Schulze, Richard.** Die schädlinge der korbweide, oder: Die der korbweide schädlichen wirbelthiere und insekten. Ihre beschreibung, frass und vertilgung, mit angabe vorbeugender mittel zur verhütung des schadens. Von R. Schulze . . . Eger, Im selbstverlage des verfassers, 1883.

Agr 4-127

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**Smith, John Bernhard.** Insects injurious in cranberry culture. Washington, 1903.

32 p. illus. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of. Farmers' bulletin 178)

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**Southwick, James M.** Insects injurious to the apple-tree: with suggestions as to their control or extermination. Prepared by James M. Southwick . . . Issued by Geo. A. Stockwell, secretary Rhode Island state board of agriculture. Providence, E. L. Freeman & sons, printers to the state, 1900.

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**Stefani Perez, Teodosio de.** . . . Gli animali dannosi alla vite con brevi note sul modo di preservarla dai loro danni. Palermo, Stabilimento tipografico Virzi, 1889.

Agr 4-3617

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**Surface, Harvey Adam.** . . . Insects injurious to cucurbitaceous plants, by H. A. Surface . . . [Harrisburg] W. S. Ray, state printer, 1902.

Agr 3—602

30 p. pl. 23 $\frac{1}{2}$ <sup>cm</sup>. (Commonwealth of Pennsylvania. Department of agriculture. Bulletin no. 96)

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lxiii, [1], 346, [1] p. illus., III pl. 24 $\frac{1}{2}$ <sup>cm</sup>.

"Indice bibliografico di scrittori, opere o articoli speciali per gli insetti del tabacco;" p. [xxxv]-xxxviii.

"Citazioni abbreviate e spiegazioni per uso dei pratici cui piaccia conoscere le opere originali;" p. [xxxix]-lx.

**Trimble, Isaac P.** A treatise on the insect enemies of fruit and fruit trees. With numerous illustrations drawn from nature, by Hochstein, under the immediate supervision of the author. By Isaac P. Trimble . . . The curculio and the apple moth. New York, W. Wood & company, 1865.

Agr 3—1269

[ix]-xviii, [19]-139 p. XI pl. (9 col.) incl. col. front. 29 $\frac{1}{2}$ <sup>cm</sup>.

**Tryon, Henry.** . . . The disease affecting the orange orchards of Wide Bay, and the insect pests prevalent therein. By Henry Tryon . . . Brisbane, E. Gregory, government printer, 1894.

Agr 2—134

17 p. 22<sup>cm</sup>. (Queensland. Dept. of agriculture, Brisbane. Bulletin no. 4. Second series. October, 1894)

**Tryon, Henry.** Fruitlet core-rot of pineapple . . . [Brisbane] 1898.

458-467 p. lxviii-lxxi pl. 24 $\frac{1}{2}$ <sup>cm</sup>.

From the Queensland agricultural journal, vol. III, pt. VI. Dec. 1898.

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1 p. l., 465 p. 23<sup>cm</sup>.

**Webster, Francis Marion.** Insects affecting fall wheat. (U. S. Agriculture, Commissioner of. Report of the Commissioner . . . for the year 1884. Washington, 1884. p. 383-393)

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Author's edition <Extract from Indiana agricultural report,> 1885.

Bibliographical material with description of each insect.

**Webster, Francis Marion.** Insects affecting the smaller cereal grains . . . [n. p., n. d.]

14 p. incl. v pl. 22½<sup>cm</sup>.

**Webster, Francis Marion.** Report on the season's observations, and especially upon corn insects. (U. S. Agriculture, Commissioner of. Report of the Commissioner . . . 1887. Washington, 1888. p. 147-154)

**Webster, Francis Marion.** Some insects attacking the stems of growing wheat, rye, barley, and oats, with methods of prevention and suppression. Washington, 1903.

62 p. illus. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, new ser., 42)

**Western Australia—Bureau of agriculture.** The fruit fly, or fruit maggot. Perth, 1897.

4 p. illus. 22½<sup>cm</sup>.

**Westwood, John Obadiah.** Pear insects. [London, 1850]

241-244 p. col. pl. 28½<sup>cm</sup>.

From the Gardeners' magazine of botany, v. 1, 1850, p. 241-244.

**Westwood, John Obadiah.** Rose insects . . . [London, 1851]

pt. 2. illus. 28<sup>cm</sup>.

From the Gardeners' magazine of botany, v. 3, 1851, p. 274-278.

Pt. 1 appeared in the Gardeners' magazine of botany, v. 1, 1850, p. 193-195.

[**Williams, Henry T.**] How to destroy insects on house-plants, flowers, etc., in the window, the garden, the house. New York, Adams & Bishop, 1880.

99, iii p. 15<sup>cm</sup>.

**Zehntner, Leo.** . . . Levenswijze en bestrijding der boorders, door Dr. L. Zehntner . . . Soerabaia, H. van Ingen, 1896-98.

6 pts. in 3. 4 pl. (3 col.) 26½<sup>cm</sup>. (Mededeelingen van het Proefstation "Oost-Java", nieuwe ser. no. 23, 25; Gecombineerde mededeeling der Proefstations Oost- en West-Java. (Voor Oost-Java) 3. ser. no. 2 . . .)

"Literatuur": [no. 1] p. [1]

Overgedrukt uit het Archief voor de Java-suikerindustrie 1896, afl. 10, 13; 1898, afl. no. 15.

CONTENTS.—I. De stengelboorder. (*Diatraea striatalis* Sn.)—II. De witte boorder (*Scirpophaga intacta* Sn.)—III. De gele boorder. (*Chilo infuscatellus* Sn.)—IV. De grauwe boorder. (*Grapholitha schistaceana* Sn.)—V. De paarsroode boorder. *Sesamia nonagrioides* Lef. var. *albiciliata* Snell.—VI. De bandongboorder.



**Zehntner, Leo.** . . . De mineerlarven van het suikerriet op Java, door Dr. L.

Zehntner . . . Soerabaia, H. van Ingen, 1896-98.

4 pts. in 3. 3 col. pl. 26-26½<sup>cm</sup>. (Mededeelingen van het Proefstation Oost-Java, nieuwe ser. no. 27, 42; 3. ser. no. 4)

Pt. 1, title reads: . . . De bladboorders van het suikerriet op Java . . .

Pt. 1 and 4 overgedrukt uit het Archief voor de Java- suikerindustrie, 1896, afl. 16; 1898, afl. no. 17.

CONTENTS.—I. *Hispella wakkeri* n. sp.—II en III. *Aphanisticus Krügeri* Ritsema. *Aphanisticus consanguineus* Ritsema.—IV. *Cosmopteryx pallifasciella* Snell, nov. spec.

**Zehntner, Leo.** Over eenige insectenplagen bij de cacaocultuur op Java, door Dr. L. Zehntner. Semarang-Soerabaia, G. C. T. van Dorp & co., 1901.

cover-title, 23 p. 22½<sup>cm</sup>.

**Zehntner, Leo.** . . . De plantenluizen van het suikerriet op Java. Door Dr. L. Zehntner . . . Soerabaia, H. van Ingen, 1896-1901.

15 pts. in 8. col. plates. 25-26½<sup>cm</sup>. (Mededeelingen van het Proefstation "Oost-Java". nieuwe ser. no. 29, 36, 39; Mededeelingen van het Proefstation voor suikerriet in West-Java "Kagok" te Pekalongan no. 37-38, 49, 52-53)

Pt. 1-3, 5-15 overgedrukt uit het Archief voor de Java-suikerindustrie.

## FOREST INSECTS.

**Altum, Bernard.** Waldbeschädigungen durch thiere und gegenmittel. Von Dr. Bernard Altum . . . Berlin, J. Springer, 1889.

Agr 4-35

xvi, 285, [1] p. illus. 23½<sup>cm</sup>.

**Barth, J. B.** Om grantørken og barkbillen. Et bidrag til en kritisk vurderen af theorien om barkbillens skadelighed. Af J. B. Barth. Kristiania, Forlagt af Alb. Cammermeyer, 1880.

42 p. 20<sup>cm</sup>.

**Bechstein, Johann Matthäus.** Vollständige naturgeschichte der schädlichen forstinsekten. Ein handbuch für forstmänner, cameralisten und oekonomen. Hrsg. von Johann Matthäus Bechstein . . . und Georg Ludwig Scharfenberg . . . Leipzig, C. F. E. Richter, 1804-05.

Agr 5-249

3 v. xiii col. pl. 23½×19½<sup>cm</sup>.

**Blandford, Walter Fielding Holloway.** Insects injurious to Coniferæ . . . London, [1892]

29 p. 21½<sup>cm</sup>.

Reprinted from the Journal of the Royal horticultural society, vol. xiv. Conifer conference report.

**Chittenden, Frank Hurlbut.** Insectenemies of the white pine. (U. S. Agriculture, Department of—Forestry, Division of. Bulletin no. 22. Washington, 1899. p. 55-61. illus.)

**Felt, Ephraim Porter.** Insects affecting forest trees . . . Albany, J. B. Lyon company, printers, 1903.

Agr 4-277

cover-title, 479-534 p. illus., 16 pl. (3 col.) 28½<sup>cm</sup>.

Reprinted from Seventh report, Forest, fish and game commission, state of New York.

**Felt, Ephraim Porter.** Insects injurious to elm trees . . . [Albany, 1902]

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Reprinted from Fifth annual report, Fisheries, game and forest commission, state of New York.

**Felt, Ephraim Porter.** . . . Insects injurious to forest trees . . . [Albany] 1898.

31 p. illus., 5 pl. (3 col.) 28½<sup>cm</sup>.

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**Froggatt, Walter Wilson.** . . . The entomology of the grass-trees (*Xanthorrhœa*) . . . [Sydney] 1896.

[73]-87 p. 1 pl. 21½<sup>cm</sup>.

From the Proceedings of the Linnean society of New South Wales, 1896, part 1, April 29th.

**Froggatt, Walter Wilson.** Insects of the wattle trees . . . Sydney, 1902.

[701]-720 p. iii pl. 25<sup>cm</sup>.

From the Agricultural gazette of New South Wales, vol. XIII, pt. 7, July, 1902.

**Harrington, W. Hague.** "On some Coleoptera injurious to our pines" . . . [Ottawa, 1881]

28-33 p. 21½cm.

From the Transactions of the Ottawa field naturalists' club, no. 2.

**Henry, Edmond.** Atlas d'entomologie forestière, par E. Henry . . . 2. éd., rev. et augm. . . 49 planches avec texte explicatif, dont 33 reproduites d'après l'atlas du "Cours de zoologie forestière" par Auguste Mathieu . . . Paris, Nancy, Berger-Levrault & c<sup>ie</sup>, 1903.

Agr 3-1078

[108] p. incl. 49 pl. (2 fold., 1 col.) 25½cm.

**Hopkins, Andrew Delmar.** Catalogue of exhibits of insect enemies of forests and forest products at the Louisiana purchase exposition, St. Louis, Mo., 1904. Washington, 1904.

56 p. 22 pl. 23cm. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin no. 48)

**Hopkins, Andrew Delmar.** Insect enemies of the pine in the Black Hills forest reserve; an account of results of special investigations, with recommendations for preventing losses. Washington, 1902.

24 p. illus., 7 pl. 23cm. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, new ser., 32)

**Hopkins, Andrew Delmar.** Insect enemies of the redwood. (U. S. Agriculture, Dept. of—Forestry, Division of. Bulletin no. 38. Washington, 1903. p. 32-40)

**Hopkins, Andrew Delmar.** Insect enemies of the spruce in the northeast. A popular account of results of special investigations, with recommendations for preventing losses. Washington, 1901.

80 p. illus., 16 pl. 23cm. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, new ser., 28.)

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5 p. illus. 23cm. (U. S. Agriculture, Dept. of—Entomology, Division of. Circular 55)

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27 p. 23cm. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, new ser., 21)

**Hopkins, Andrew Delmar.** Some of the principal insect enemies of coniferous forests in the United States. (U. S. Agriculture, Dept. of. Yearbook 1902. Washington, 1903. pp. 265-282. illus., 2 pl.)

**Howard, Leland Ossian.** General work against insects which defoliate shade trees in cities and towns. Washington, 1896.

4 p. 23cm. (U. S. Agriculture, Dept. of—Entomology, Division of. Circular, ser. 2, no. 15)

"In advance from an article entitled: 'Theshade-tree insect problem in the eastern United States,' to be published in the Yearbook of the Department for 1895."

**Howard, Leland Ossian.** Shade-tree insect problem in the eastern United States. (U. S. Agriculture, Dept. of. Yearbook, 1895. Washington, 1896. p. 361-384. illus.)

**Howard, Leland Ossian.** Three insect enemies of shade trees. Washington, 1899.

30 p. illus. 23cm. (U. S. Agriculture, Dept. of. Farmer's bulletin 99)

"Reprinted with some annotations by the author, from the Yearbook of the Department of agriculture for 1895."

**Judeich, Johann Friedrich.** Lehrbuch der mitteleuropäischen forstinsektenkunde von Dr. J. F. Judeich . . . und Dr. H. Nitsche . . . als 8. aufl. von Dr. J. T. C. Ratzburg, Die Waldverderber und ihre feinde in vollständiger umarbeitung hrsg . . . Wien, E. Hölzel, 1895.

2 v. front. (port., v. 1) illus., VIII col. pl. 23½cm.

Paged continuously; v. 1: XVIII, 736, [XIX]—XXXII p.; v. 2: XI, [737]—1421, [XIII]—XXII p.

CONTENTS.—1. Ratzburg's leben. Einleitung. Allgemeiner theil. Specieller theil I: Gerad- und netzflügler, käfer und hautflügler.—2. Specieller theil II: Schmetterlinge, zweiflügler, schnabelkerfe. Nachträge. Die feinde der einzelnen holzarten.

**Kirby, William.** . . . Some observations upon insects that prey upon timber, with a short history of the *Cerambyx violaceus* of Linnæus . . . [London, 1809]

246–260 p. pl. 27½ x 22cm.

From Transactions of the Linnean society of London, vol. v.

**Leidy, Joseph.** Report to the Councils of Philadelphia on some of the insects injurious to our shade trees . . . Philadelphia, 1862.

11 p. 22½cm.

**Nüsslin, Otto.** Leitfaden der forstinsektenkunde. Von Dr. Otto Nüsslin . . . Berlin, P. Parey, 1905.

xvi, 454 p. illus. (incl. ports.) 22½cm.

Agr 5–823

“Geschichte und literatur der forstinsektenkunde”: p. [1]–8.

**Packard, Alpheus Spring.** Fifth report of the United States entomological commission, being a revised and enlarged edition of Bulletin no. 7, on insects injurious to forest and shade trees. Washington, 1890.

957 p. illus., 40 pl. 23cm. (U. S. Entomological commission. Report 5)

**Packard, Alpheus Spring.** Insects injurious to forest and shade trees. Washington, 1881.

275 p. illus. 23cm. (U. S. Entomological commission. Bulletin 7)

“Second edition published as the fifth report of the United States entomological commission.”

**Packard, Alpheus Spring.** Report on the causes of destruction of evergreen forests in northern New England and New York. (U. S. Agriculture, Commissioner of. Report of the Commissioner . . . for the year 1883. Washington, 1883. p. 138–151)

**Packard, Alpheus Spring.** Second report on the causes of the destruction of the evergreen and other forest trees in northern New England and New York. (U. S. Agriculture, Commissioner of. Report of the Commissioner . . . for the year 1884. Washington, 1884. p. 374–383)

**Packard, Alpheus Spring.** Third report on the causes of destruction of the evergreen and other forest trees in northern New England. (U. S. Agriculture, Commissioner of. Report of the Commissioner . . . 1885. Washington, 1885. p. 319–333. 1 pl.)

**Peck, Charles Horton.** The black spruce . . . [Albany, 1876]

21 p. 23cm.

From Transactions of the Albany institute, v. 8, p. 283–301.

**Perkins, George Henry.** . . . Insects injurious to the American elm . . . Montpelier, 1890.

96 p. illus. 25½cm.

From 11th report of the Vermont state board of agriculture.

**Planchon, Jules Émile.** Notes entomologiques . . . [Montpellier, 1870]

4 p. 21cm.

Extraites des Ann. de la Société d'hortic. et d'hist. natur. de l'Hérault, séance du 13 novembre 1870. CONTENTS.—Sur une chenille qui attaque le *Pinus excelsa* . . . —Sur l'accouplement des pucerons dans le midi de la France.



**Ratzeburg, Julius Theodor Christian.** Entomologische beiträge von Dr. J. T. C. Ratzeburg . . . (Bei der Akademie eingegangen den 12. juni 1834) [Halle, 1835]

1 p. 1. [423]—476 p. XXXII—XXXIII pl. (1 col.) 28½<sup>cm</sup>

From Nova acta Acad. Caes. Leopold.-Carol. Germ. nat. cur. vol. XVII.

**Ratzeburg, Julius Theodor Christian.** Die forst-insecten oder abbildung und beschreibung der in den wäldern Preussens und der nachbarstaaten als schädlich oder nützlich bekannt gewordenen insecten; in systematischer folge und mit besonderer rücksicht auf die vertilgung der schädlichen. Im auftrage des chefs der zweiten abtheilung des Königl. Preuss. Haus-ministeriums Herrn geheimen staats-ministers von Ladenberg Excellenz hrsg. von Julius Theodor Christian Ratzeburg . . . Berlin, Nicolai'sche buchhandlung, 1839—[44]

Agr 3—264

3 v. front. (v. 1) illus., plates (partly col.) fold. tables. 29½<sup>cm</sup>.

1.th. is Ed. 2.

Imprint of 3.th: Wien, E. Hölzel.

CONTENTS.—1.th. Die käfer. 1839.—2.th. Die falter. 1840.—3.th. Die adler-, zwei-, halb-, netz- und geradflügler. [1844]

**Riley, Charles Valentine.** Our shade trees and their insect defoliators; being a consideration of the four most injurious species which affect the trees of the capital; with means of destroying them. Washington, 1887.

69 p. illus., pl. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin 10)

**Riley, Charles Valentine.** Remarks on the insect defoliators of our shade trees . . . before the New York farmers, at a meeting held March 10, 1887, and reported by James W. Tooley. New York [1887]

12 p. 25<sup>cm</sup>.

Reprinted from Proceedings of the New York farmers, season 1886—87.

**Rivers, John James.** The oaks of Berkeley and some of their insect inhabitants . . . Sacramento, 1887.

12 p. 23<sup>cm</sup>.

**Schøyen, Wilhelm Maribo.** . . . Ueber einige insektenschädlinge der laub- und nadelbäume in Norwegen . . . [Stuttgart, 1893]

[266]—271 p. 22½<sup>cm</sup>.

Sonderabdruck aus der "Zeitschrift für pflanzenkrankheiten." III. bd. 5. hft.

**Simony, Friedrich.** Schutz dem walde! Von Professor Dr. Friedrich Simony. Vortrag gehalten am 21. Februar 1877 im Vereine zur verbreitung naturwissenschaftlicher kenntnisse in Wien. Nebst einem anhang: Ueber einige feinde des waldes von J. v. N. . . . Wien, Im selbstverlage des Vereines zur verbreitung naturwissenschaftlicher kenntnisse in Wien, 1878.

1 p. 1., 112 p. illus. 18<sup>cm</sup>.

**Stebbing, E. P.** Departmental notes on insects that affect forestry. By E. P. Stebbing . . . Calcutta, Office of the Superintendent of government printing, India, 1902—03.

no. 1—2. XIX pl. 25½<sup>cm</sup>.

**Stebbing, E. P.** A note on the sandal wood boring insects of Madras, by E. P. Stebbing . . . Calcutta, Office of the superintendent of government printing, India, 1903.

Agr 5—636

cover-title, 13 p. 24½<sup>cm</sup>.

**Stewart, J. T.** Shade trees, indigenous shrubs and vines, by J. T. Stewart, M. D., and Insects that infest them, by Miss Emma A. Smith. Peoria, Ill., Transcript company, printers and binders, 1877.

55 p. illus. 22<sup>cm</sup>.

**Townsend, Charles Henry Tyler.** Some larvæ on scrub oak . . . [San Diego, Cal.] 1893.

[47]—51 p. 23½<sup>cm</sup>.

From the West American scientist, vol. VIII, p. 47—51.

## MISCELLANEOUS.

**Butler, Edward Albert.** Our household insects, an account of the insect-pests found in dwelling houses, by Edward A. Butler . . . London and New York, Longmans, Green, and co., 1893.

vii p., 1 l., 344 p. illus., vii pl., incl. front. 19 $\frac{1}{2}$ cm.

— — New ed. London, New York, and Bombay, Longmans, Green, and co., 1896.

vii p., 1 l., 344 p. illus., vii pl. incl. front. 19cm.

**Forbes, Stephen Alfred.** . . . Studies on the contagious diseases of insects . . . Peoria, Ill., 1886.

[257]-321 p. pl. 23 $\frac{1}{2}$ cm. (Bulletin of the Illinois state laboratory of natural history. vol. II. article IV)

**Hagen, Hermann August.** Museum pests observed in the Entomological collection at Cambridge. [Boston] 1878.

[56]-62 p. 22 $\frac{1}{4}$ cm.

From the Proceedings of the Boston society of natural history, vol. xx, October 23, 1878.

**Hough, Walter.** The preservation of museum specimens from insects and the effects of dampness . . . [Washington, 1889]

549-558 p. 23cm.

From the Annual report of the Board of regents of the Smithsonian institution . . . for the year ending June 30, 1887.

**Houlbert, Constant Vincent.** Les insectes ennemis des livres; leurs mœurs—moyens de les détruire; par C. Houlbert . . . Paris, A. Picard & fils, 1903. 3-25786  
2 p. l., xxxviii, 269, [1] p. illus., 3 pl. 23 $\frac{1}{2}$ cm.

Half-title: Recherches expérimentales sur les insectes qui nuisent aux livres et aux bibliothèques.

"Composé principalement dans le but de répondre aux conditions du Prix Marie Pellechet. Sauf quelques additions, il est tel qu'il a été soumis à l'appréciation de MM. les membres du jury, chargés de juger le concours."

"Concours pour l'étude des insectes ennemis des livres. Rapport général, par M. Henry Martin": p. iii-xii.

"Index bibliographique" (94 titles): p. [xxvii]-xxxviii.

**Howard, Leland Ossian.** Danger of importing insect pests. (U. S. Agriculture, Dept. of. Yearbook, 1897. Washington, 1898. p. 529-552)

**Howard, Leland Ossian.** Principal household insects of the United States, by L. O. Howard and C. L. Marlatt; with a chapter on insects affecting dry vegetable foods, by F. H. Chittenden. Washington, 1896.

130 p. illus. 23cm. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, new ser., 4)

— — Rev. ed. Washington, 1899.

131 p. illus. 23cm. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, new ser., 4)

**LeConte, John Lawrence.** . . . Report on insects introduced by means of the international exhibition . . . Philadelphia, 1876.

6 p. 22 $\frac{1}{2}$ cm.

Extracted from the Proceedings of the Academy of natural sciences of Philadelphia, November, 1876.

Report signed by J. L. LeConte, Chairman, Geo. H. Horn, and Joseph Leidy.

**O'Connor, John Francis Xavier.** Facts about bookworms, their history in literature and work in libraries, by Rev. J. F. X. O'Connor . . . New York, F. P. Harper, 1898.

86, [1] p. incl. illus., plates, facsims. 18 $\frac{1}{2}$ cm.

**Trouessart, Édouard Louis.** . . . Les parasites des habitations humaines et des denrées alimentaires ou commerciales, par le Dr E.-L. Trouessart . . . Paris, G. Masson [etc.] [1895]

168 p. illus. 19cm. (Encyclopédie scientifique des aide-mémoire, pub. sous la direction de M. Léauté . . . )

**Tryon, Henry.** . . . Destructive insects liable of introduction to Queensland . . . [Brisbane, 1897]

30-40 p. 24½cm.

From the Queensland agricultural journal, v, 1, pt. 1, July, 1897.

**United States—Dept. of agriculture—Division of entomology.** Some Mexican and Japanese injurious insects liable to be introduced into the United States. Washington, 1896.

56 p. illus. 23cm. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, tech. ser., 4)

## APICULTURE.

**Adair, D. L.** Progressive bee culture or Apine instincts and labors defined, illustrated and systematized, upon a new theory. D. L. Adair, Hawesville, Ky. Cincinnati, Pub. for the author by R. Clarke & co., 1872.

Agr 3—142

cover-title, 24 p. illus. 22½cm.

**Allen, John.** The blessed bees, by John Allen. [3d ed.] New York, G. P. Putnam's sons [1881]

Agr 5—496

4, [2], [5]—172 p. 17½cm. (On cover: Putnam's handy book series, of things worth knowing [xxviii])

**Alley, Henry.** The bee-keeper's handy book: or, Twenty-two years' experience in queen-rearing, containing the only scientific and practical method of rearing queen bees, and the latest and best methods for the general management of the apiary. By Henry Alley . . . Wenham, Mass., Published by the author, 1883.

xv, 184 p. front., illus. 21cm.

Agr 3—143

**Alley, Henry, comp.** The national beekeepers' directory. Containing a classified list of the beekeepers of the United States and Canada; with essays and hints regarding the successful management of the apiary. Comp. by Henry Alley . . . Salem, Mass, Printed at Salem press publishing and printing co., 1889.

Agr 5—497

iii, 139 p. illus. 19½cm.

**Alley, Henry.** Thirty years among the bees. The result of a quarter-century experience in rearing queen-bees, giving the practical, every-day work of the apiary. By Henry Alley . . . Salem, Mass., The author, 1891.

Agr 5—498

2 p. l., 72 p. illus. 23½cm.

**Arnold, Don J.** Practical hints on bee culture. By Don J. Arnold. Brownville, Neb., Advertiser book and job print, 1874.

52 p. 14½cm.

**Balbiani, Édouard Gérard.** Rapport sur les insectes utiles. *See under* Sericulture, p. 111.

**Barot, Alexandre.** Les plantes mellifères. Leurs noms scientifiques—leurs noms vulgaires—l'époque de leur floraison—leur habitat. Paris, C. Mendel [1895]

Agr 4—1894

58 p. 19cm.

**Bartrum, E.** . . . Bees in a bar-frame hive. By the Rev. E. Bartrum . . . and the Rev. R. McClelland . . . edited by Rev. E. Bartrum . . . published under the direction of the general literature committee. London, Society for promoting Christian knowledge, 1897.

16 p. 14cm. (Helpful hints for hard times)

**Beeton, Samuel Orchart.** . . . Bees, silkworms, and inhabitants of the aquarium, with twenty-nine engravings from designs principally by E. C. Rye. Also, a chapter on ferns (illustrated) . . . London, F. Warne and co. [n. d.]

cover-title, 705-832 p. illus. 18cm. (Beeton's home pets)

Agr 3—145

**Benton, Frank.** Bee keeping. Washington, 1897.

32 p. illus. 23cm. (U. S. Agriculture, Dept. of. Farmers' bulletin 59)

**Benton, Frank.** La cria de las abejas, por Frank Benton . . . México, Oficina tip. de la Secretaría de fomento, 1898.

Agr 3—597

59 p. pl. 22½cm. (Biblioteca agrícola de la Secretaría de fomento)

Translation of Farmers' bulletin no. 59 of U. S. Department of agriculture: Bee keeping.



**Benton, Frank.** The honey-bee: a manual of instruction in apiculture. Washington, 1895.

118 p. illus., 12 pl. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, new ser., 1)

— — — Rev. ed. Washington, 1896.

118 p. illus., 12 pl. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, new ser., 1)

— — — Ed. 3 rev. Washington, 1899.

118 p. illus., 12 p. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, new ser., 1)

**Benton, Frank.** The honey bee: a manual of instruction in apiculture. By Frank Benton . . . [Tokio, 1900?]

6 pl., 174, [2] p. illus., plates. 22<sup>cm</sup>.

Text in Japanese.

Translation of Bulletin no. 1, new series, of the Division of entomology, U. S. Dept. of Agriculture, 1895.

Short bibliography of bees and bee culture, in English, near end of pamphlet.

**Bertrand, Ed.** Conduite du rucher, par Ed. Bertrand . . . ix. éd., entièrement rev. et cor. Paris, Librairie agricole de la maison rustique; [etc., etc., 1904] xii, 288 p. illus., fold pl. 19½<sup>cm</sup>. Agr 4—461

**Bevan, Edward.** The honey-bee; its natural history, physiology and management, by Edward Bevan . . . London, Baldwin, Cradock and Joy, 1827.

xxvi, [2], 404 p. illus. 19½<sup>cm</sup>.

— — — Rev., enl. and illustrated by William Augustus Munn . . . [3d ed.] London, J. Van Voorst, 1870.

1 p. l., xxiv p., 1 l., 385 p. incl. front, illus. 21 pl. (1 fold., 12 col.) 19<sup>cm</sup>.

Engr. t.-p.

Each plate accompanied by one or two pages of descriptive text.

**Bovill, A. K.** Bee-keeping in Cyprus . . . Nicosia, Cyprus, Printed at the Government printing office, 1895.

5, [3] p. 23½<sup>cm</sup>.

In English, Greek, and Turkish.

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**Buckisch, William.** Bee-culture. Washington, 1861. (U. S. Patent office. Report of the Commissioner of patents for the year 1860. Agriculture. Washington, 1861, p. 268-301)

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**Busy bee**, a monthly journal. May, 1897-July, 1898. v. 8, no. 5-v. 9, no. 7. 8°. St. Joseph [1897-98]

Continuation of Nebraska bee-keeper, q. v.

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Vol. 7-9, no. 6, semi-monthly.

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**Illinois state bee-keepers' association.** Annual report . . . 1st-4th, 1891-93, 1903-04. 8°. Chicago [etc.] 1892-1905.

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**Nebraska bee-keeper** [monthly] Jan. 1893-Aug. 1896. v. 4-7, no. 8. 8°. York, Neb. 1893-96.

Vol. 7, title reads: Nebraska bee keeper and irrigator, a monthly journal devoted to apiculture and irrigation.

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**Nebraska state bee-keepers' association.** Annual report [1st session] 1895. 8°. [Omaha, 1895?]

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**Ontario, Bee-keepers' association of the province of.** Annual report [15th-17th, 20th-21st, 23d-24th] 1894-96, 1899-1900, 1902-03. 8°. Toronto, 1895-1904.

**Pacific bee journal** [monthly] Jan. 1896-Apr. 1898. v. 1-3, no. 4. illus. 8°. Los Angeles [1896-98]

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May 1, 1904, absorbed the Rocky mountain bee journal. After June, 1904, continued as The western bee journal.

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Vol. 3, 1893; v. 5-6, 1895-96; v. 8, 1898; v. 10, 1900, incomplete.

Sept. 1901, vol. no. changed from 11 to 9.

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Ceased publication Dec. 1903.

Ed. by Édouard Bertrand.

The **Rocky mountain bee journal** . . . [monthly] Feb.-Nov. 1901; Jan., May-June, Oct.-Nov. 1902; Jan., Mar., May, 1903-Mar. 1904. v. 1, no. 1-10, 12; v. 2, no. 16-17, 21-22, 24; v. 3, no. 26, v. 3, no. 28-v. 4, no. 38. 8°. Boulder, Colo. [1901-04]

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The **Rural bee-keeper** . . . published monthly. Mar.-Dec. 1904. v. 1, no. 1-9. 4°. River Falls, Wis. [1904]

**Russkii pchelovodnyi listok.** '(Русский пчеловодный листокъ) 1892. v. 7. 8°. [S.-Peterburg, 1892]

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"La biblioteca dell' I. R. Istituto sperimentale, il cui catalogo viene in seguito pubblicato, comprende oltre 3,000 volumi di opere di scienze naturali e d' agricoltura, riguardanti in ispezialità la bachicoltura, la viticoltura, l' enologia e le malattie delle piante."—p. [3]

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**Barricelli, Gerardo.** Silk-culture directory and silk-caterpillars disorders. By G. Barricelli. (11th ed., the 3d in English.) [Holden, Missouri, Mississippi Valley silk-culture enterprise] 1884. Agr 4—196

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7 p. 23cm.

Reprinted from the Journal of the Franklin Institute, for March, 1882.

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42 p. 22<sup>cm</sup>.

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8 p. 23<sup>cm</sup>.

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Agr 4—3551

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Added t.-p.: A treatise on the culture of silk in Germany, and especially in Bavaria: or Complete instruction for the plantation and the management of mulberry trees, and the rearing of silk-worms, by the counsellor of state de Hazzi . . . Translated from the German.

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**Riley, Charles Valentine.** How to raise silk-worms. A brief manual of instructions, abridged from Bulletin no. 9 of the Division of entomology. By Philip Walker, chief of the Silk section . . . Washington, 1890.

16 p. illus. (U. S. Agriculture, Dept. of—Silk section. Bulletin no. 1)

**Riley, Charles Valentine.** The mulberry silk-worm; being a manual of instructions in silk-culture. Ed. 6, rev. Washington, 1886.

65 p. illus., 2 pl. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin 9)

— — — Ed. 7, rev. Washington, 1888.

62 p. illus., 2 pl. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin 9)

First five editions were published as Special report No. 11, under the title, The silkworm.



**Riley, Charles Valentine.** The silkworm; being a brief manual of instructions for the production of silk. Washington, 1879.

31 p. illus. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of. Special report no. 11)

Passed through five editions bearing this number. The 6th and 7th editions were published as Bulletin no. 9, old series, of the Division of Entomology, under the title: The mulberry silkworm.

[**Rossiter, Nellie Lincoln**] Silk and the silk worm, a complete work of instruction on silk culture, by C. H. Rossiter. [3d ed.] Philadelphia, Pa., N. L. Rossiter, 1881.

Agr 4—3599

25 p. illus. 18½<sup>cm</sup>.

Cover states that work is by Nellie Lincoln Rossiter, who also signs preface.

— — [5th ed.] Philadelphia, N. L. Rossiter, 1884.

Agr 4—3600

31 p. illus. 17½<sup>cm</sup>.

Cover states that work is by Nellie Lincoln Rossiter, who also signs preface.

**Schweinitz, Emil Alexander de.** Chemical examination of osage orange (*Maclura aurantiaca*) leaves, and a feeding experiment in rearing silk worms . . . [Easton, Pa.] 1891.

7 p. 24<sup>cm</sup>.

Reprinted from the Journal of analytical and applied chemistry, vol. v, no. 2, February, 1891.

The **silk culture** in the United States: embracing complete accounts of the latest and most approved modes of hatching, rearing and feeding the silk-worm, managing a cocoonery, reeling, spinning, and manufacturing the silk, &c. &c. &c., with brief historical sketches of the silk business, natural history of the silk-worm, the mulberry, &c. compiled from the most approved and reliable works, illustrated by numerous engravings of machinery and processes. To which is added Blydenburgh's Manual of the silk culture; statistics of silk imports, &c. &c. New York, Greeley & McElrath, 1844.

80 p. illus., tab. 23<sup>cm</sup>.

**Stevens, William B.** A brief history of the silk culture in Georgia. (U. S. Patent office. Annual report of the Commissioners of patents . . . for the year 1845. Washington, 1846. p. 806-817)

From Harris's Memoirs of Oglethorp.

**United States—Bureau of foreign commerce.** . . . Sericulture, and silk reeling from the cocoons by machinery. Cultivation of the English walnut . . . Reports from the consuls of the United States, in answer to instructions from the Department of State. Issued from the Bureau of foreign commerce, Department of State. Washington, Gov't print. off., 1899.

Agr 4—344

2 p. l., 131-170 p. 5 pl. (1 fold.) 23<sup>cm</sup>. (Special consular reports. vol. xv, pt. II)

**United States—Dept. of agriculture.** Silk culture. (U. S. Agriculture, Commissioner of. Report . . . for the year 1868. Washington, 1869. p. 282-304)

"Silk culture in California," pp. 291-300, prepared by John S. Hittel.

**United States—Dept. of agriculture.** Silk culture. (U. S. Agriculture, Commissioner of. Report . . . for the year 1870. Washington, 1871. p. 235-241)

**United States—Dept. of agriculture—Silk section.** Report of the Silk section. (U. S. Agriculture, Dept. of. Report of the Secretary of agriculture. 1889, p. 453-476, 1890, p. 265-276. Washington, 1889-90. plates)

**United States—Patent office.** Silk. (U. S. Patent office. Annual report of the Commissioner of patents . . . for the year 1845. Washington, 1846. p. 805-875)

**United States—Treasury department.** . . . Growth and manufacture of silk. Letter from the secretary of the treasury, transmitting the information required by a resolution of the House of Representatives, of May 11, 1826, in relation to the growth and manufacture of silk, adapted to the different parts of the Union. February 7, 1828. Referred to the Committee on agriculture. Washington, Printed by Gales & Seaton, 1828.

Agr 4—345

8, viii, 9-220 p. illus., v pl. (1 fold.) fold. tab. 23½<sup>cm</sup>. (20th Cong., 1st sess., Ho. of Reps. Doc. no. 158)

**Utah**—*Silk commission*. Sericulture. Instruction in the art of producing silk. By the Utah silk commission. Salt Lake City, G. Q. Cannon & sons company, 1897.

Agr 4—3466

30 p. incl. illus., plates. 22½cm.

**Vernon, William H.** A methodical treatise on the cultivation of the mulberry tree, on the raising of silk worms, and on winding the silk from the cocoons. United to an accurate description of the winding mill. With plates. Abridged from the French of M. de la Brousse; with notes and an appendix. By William H. Vernon . . . Boston, Hilliard, Gray, & co., 1828.

Agr 4—3622

vi, [9]—174 p. iv fold. pl. 23½cm.

**Walker, Philip.** Silk-culture report of the year's operations. Made to the entomologist. (U. S. Agriculture, Commissioner of. Report of the Commissioner . . . 1887. Washington, 1888. p. 115—122. 2 pl.)

**Walker, Philip.** Silk-culture report of the year's operations. Made to the entomologist. (U. S. Agriculture, Commissioner of. Report of the Commissioner . . . 1888. Washington, 1889. p. 111—123. 2 pl.)

**Williams, Mrs. Carrie.** Complete instruction in rearing silkworms, also how to build and furnish cocoeneries, how to plant, prune, and care for mulberry trees, together with much valuable information as to the silk industry in general; by Mrs. Carrie Williams . . . San Francisco, The Whitaker and Ray company (incorporated) 1902.

2—17042

140 p. illus. 16½cm.

**Women's silk culture association of the United States.** An instruction book in the art of silk culture, compiled by the Women's silk culture association of the United States, from various authorities and actual experiments, for the use of the women of their country whom they hope thereby to aid into the perfection of this beautiful industry in America. New and enl. ed. Philadelphia, 1882.

Agr 5—246

1 p. l., 144 p. fold. front., illus., fold. pl. 23cm,

## FOREIGN.

**Adams, Sir Francis Ottiwell.** Third report on silk culture in Japan by F. O. Adams . . . Published by authority of H. B. M.'s minister. August, 1870. Yokohama, Printed at the "Japan mail" office, 1870.

Agr 4—3468

1 p. l., 22 p. 7 fold. pl. (2 col.) 2 fold. maps. 23cm.

**Adams, Sir Francis Ottiwell.** Troisième rapport sur la sériciculture au Japon, par M. F.-O. Adams. Lyon, Au journal le Moniteur des soies, 1871.

Agr 4—300

[3]—45, [1] p. 22½cm.

Extrait du journal Le Moniteur des soies, septembre, nos. 474, 475 & 476.

**Anca, Francesco, barone.** Sul Bombyx cynthia e sul ricino, del barone Francesco Anca . . . Palermo, Tipografia di B. Lima e Lao, 1856.

Agr 4—301

24 p. 21cm.

**Association séricicole pratique du bassin du Rhône.** Association séricicole pratique du bassin du Rhône pour l'amélioration des races de vers à soie domestiques, principalement des races depuis longtemps acclimatées dans le midi de l'Europe, dites races de pays. Lyon, Impr. commerciale de Pitrat aîné, 1867.

31 p. 25cm.

**Il baco o filugello; brevi cenni pratici pel coltivatore del baco da seta e confezionatore del seme.** Pubblicazione edita dal giornale la Seta . . . Milano, La Seta, 1884.

24 p. 25cm.

**Balbiani, Édouard Gérard.** . . . Rapport sur les insectes utiles, par MM. Balbiani et Maillot. Paris, Imprimerie nationale, 1881.

Agr 4—3476

2 p. l., 56 p. 25cm.

At head of title: Ministère de l'agriculture et du commerce. Exposition universelle internationale de 1878 à Paris. [Rapports du jury international] Groupe VIII.—Classe, 83.

**Baleriola, Gabriel.** Cartilla par la propagación de la morera y cría del gusano de seda. Dedicada á los agricultores de España por Gabriel Baleriola. 1. ed. . . . Murcia, Imp. de "Las provincias de Levante," 1897.

**Bárcena, Mariano.** La industria sericícola en el estado de Jalisco. Informe presentado al Sr. secretario de fomento por Mariano Bárcena . . . Mexico, Oficina tip. de la Secretaría de fomento, 1891. Agr 4—194  
40 p. 22½cm.

**Barham, Henry.** An essay upon the silk-worm: containing many improvements upon this curious subject; together with large collections from the most approved authors . . . By Henry Barham . . . London, Printed for J. Bettenham and T. Bickerton, 1719. Agr 4—195  
6 p. l., 180, [7] p. 17cm.

**Bavier, Ernest de.** La sériciculture, le commerce des soies et des graines et l'industrie de la soie au Japon, par Ernest de Bavier . . . Lyon, H. Georg; [etc, etc.] 1874.  
viii, 157 p., 1 l. 5 fold pl., 2 fold. diagr., fold. map. 27½ cm.

**Beaurepère, C. F.** Rapport fait au comité central d'agriculture de la Côte-d'Or, par M. Beaurepère . . . sur une éducation de vers à soie dirigée et suivie à Marsannay-la-Côte par MM. Beaurepère et Lapertot . . . [Dijon, Imp. de Simonnot-Carion, 1836] Agr 4—3480

29 p. 22cm.  
Caption title.

**Beauvais, Camille.** Lettre à M. Bonafous sur la culture du mûrier et l'éducation du ver à soie dans le Département de Seine-et-Oise, par M. Camille Beauvais . . . Paris, Mme. Huzard (née Vallat la Chapelle) 1833.

12 p. 22cm.  
Extrait des Annales de l'agriculture française, 3 sér., tome XII, octobre, 1833.

**Beeton, Samuel Orchart.** Bees, silkworms. See under Apiculture, p. 94.

**Bellati, M.** Sur l'éclosion anticipée des œufs du ver-à-soie par le Prof. M. Bellati et le Dr E. Quajat. (Résumé des auteurs) Turin, H. Loescher, 1896.

16 p. 23½cm.  
Caption title.

Extrait des Archives italiennes de biologie. tome XXV, fasc. II.

**[Blain, F.]** Rapport sur une éducation en Anjou du ver du chêne ou Bombyx yama-mai, faite en 1863. [n. p., 1864?]

20 p. 3 pl. 25cm.  
Caption title.  
Signed: F. Blain.

**Blanchon, H. L. Alphonse.** . . . Manuel pratique du sériculteur, par H.-L.-Alphonse Blanchon . . . Paris, C. Amat, 1905. Agr 5—290

144 p. 18½cm.

**Blaquiere, Dora de.** The silk industry in Ireland and England. By Dora de Blaquiere . . . [Philadelphia? 188—]

4 p. 24cm.  
Caption title.

**Bolle, Giovanni.** . . . Atti della Commissione per lo studio dei provvedimenti da prendersi per migliorare le condizioni del commercio dei bozzoli nel Goriziano, e relazione di G. Bolle. [Gorizia, Tip. Paternolli, 1886]

7 p. 25cm.

Caption title.

Estratto dagli "Atti e memorie" [dell' I. R. Società agraria di Gorizia]—n. 6, anno 1886.

**Bolle, Giovanni.** La bachicoltura nel Giappone, di Giovanni Bolle . . . con un' appendice dello stesso autore: Il giallume o il mal del grasso del baco da seta, una malattia parassitaria . . . Pubblicazione fatta per incarico dell' I. R. Ministero d' agricoltura. Gorizia, Stab. tip. G. Paternolli ed., 1898.

vi, 134 p., 1 l. illus., 19 pl. 24cm.



**Bolle, Giovanni.** Il commercio dei bozzoli nel Goriziano, suoi inconvenienti e mezzi eventuali per rimediarvi, di G. Bolle. [Gorizia, Tip. Paternolli, 1886?]

13 p. 23 $\frac{1}{2}$ cm.

Caption title.

**Bolle, Giovanni.** . . . L'istruzione nella bachicoltura presso l' I. R. Istituto sperimentale di bachicoltura ed enologia in Gorizia, di G. Bolle. [Gorizia, Tip. Paternolli, 1888]

14 p. 23cm.

Caption title.

Estratto dagli "Atti e memorie" [dell' I. R. Società agraria di Gorizia] n. 8 del 1888.

"Versione italiana dell' eguale articolo pub. nel 2. fasc. della "Land- und forstwirthschaftliche unterrichtszeitung, jahrg. II 1888 . . ."

**Bolle, Giovanni.** Istruzione per l' allevamento razionale del baco da seta, di Giovanni Bolle . . . Gorizia, Tipografia G. Paternolli, 1882.

20 p illus., 2 double tab. 26 $\frac{1}{2}$ cm.

" Pubblicazione fatta per cura dell' I. R. Società agraria di Gorizia."

**Bolle, Giovanni.** . . . Kurze anleitung zur rationellen aufzucht der seiden-raupe, von Johann Bolle . . . 2. erweiterte aufl. Hrsg. vom Kön. Ung. Ministerium für ackerbau, handel und industrie. Budapest, Pester buchdruckerei-actien-gesellschaft, 1882.

Agr 4—3486-7

35 p. illus., 2 col. pl. 25 $\frac{1}{2}$ cm.

At head of title: Deutsche ausgabe.

— — — 3. erweiterte aufl. Szegzárd, Gedruckt bei J. Báter, 1889. Agr 4—3486-7

34 p. illus. 25 $\frac{1}{2}$ cm.

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**Bolle, Giovanni.** Der seidenbau in Japan, von Johann Bolle . . . Nebst einem anhang von demselben verfasser, Die gelb- oder fettsucht der seidenraupe, eine parasitäre krankheit . . . Veröffentlicht im auftrage des Kön. Ung. ackerbauministeriums. Budapest [etc.] A. Hartleben, 1898.

Agr 4—36

ix, 141 p. illus. 27cm.

**Bolle, Giovanni.** . . . Der seidenspinner des maulbeerbaumes, seine aufzucht, seine krankheiten und die mittel zu ihrer bekämpfung. Vortrag, gehalten den 7. december 1898 von Johann Bolle . . . Wien, Selbstverlag des Vereines zur verbreitung naturwissenschaftlicher kenntnisse, 1899.

Agr 3—889

39 p. illus., fold. pl. 19cm. (Vorträge des Vereines zur verbreitung naturwissenschaftlicher kenntnisse in Wien. xxxix. jahrg. hft. 4)

[**Bolle, Giovanni**] . . . Il sesto Congresso bacologico internazionale di Parigi. [Gorizia, Tip. Seitz, 1878]

12 p. 23cm.

Caption title.

Signed: G. Bolle.

Estratto dal periodico "Atti e memorie" dell' I. R. Società agraria di Gorizia, n. 12, del 1878.

**Bolle, Giovanni.** Der unterricht in der seidenzucht an der K. K. Versuchstation für seidenzucht und weinbau in Görz. Von Johann Bolle . . . Wien, Aus der Kaiserlich-königlichen hof- und staatsdruckerei, 1888.

Agr 4—3488

12 p. 26 $\frac{1}{2}$ cm.

**Bonafous, Matthieu.** Mémoire sur une éducation de vers à soie, ou, journal d'une magnanerie, par Matthieu Bonafous . . . 3. éd. Paris, Madame Huzard; [etc., etc.] 1826.

Agr 4—3489

20 p. 23cm.

**Bonafous, Matthieu.** Traité de l'éducation des vers à soie et de la culture du mûrier, suivi de divers mémoires sur l'art séricicole; par M. Matthieu Bonafous . . . 4. éd., rev. et augm. Paris, L. Bouchard-Huzard, 1840.

4—10188

viii p., 1 l., 547 p. v pl. (incl. col. front.) 21 $\frac{1}{2}$ cm.

CONTENTS.—I. De l'éducation des vers à soie d'après la méthode du comte Dandolo.—II. Journal d'une éducation de vers à soie.—III. De l'emploi du chlorure de chaux pour purifier l'air des ateliers de vers à soie.—IV. Avis aux cultivateurs sur une espèce de ver à soie à trois récoltes.—V. De la cul-

ture du mûrier.—**VI.** Mémoire sur la feuille du mûrier greffé comparée à celle du mûrier sauvage relativement au ver à soie.—**VII.** Mémoire sur la culture du mûrier en taillis et sur l'introduction d'une nouvelle espèce de mûrier.—**VIII.** Des feuilles du *Maclura aurantiaca*, comme succédanées de celles du mûrier.—**IX.** De la greffe du mûrier blanc sur le mûrier des Philippines.—Lettres sur la culture du mûrier et l'éducation des vers à soie, adressées à M. Bonafous par divers agronomes: Lettre . . . par M. Camille Beauvais. Huit lettres . . . par M. Amans Carrier. Lettre . . . par M. le comte Villa de Montpascal.

**Boullenois, Frédéric de.** Conseils aux nouveaux éducateurs de vers à soie, résumé des méthodes et des pratiques à suivre pour planter des mûriers, construire des magnaneries, élever les vers à soie et filer les cocons; par M. Frédéric de Boullenois . . . Paris, M<sup>me</sup> V<sup>e</sup> Bouchard-Huzard, 1842. Agr 4—137-9

2 p. l., xi, 216 p. 3 pl. (2 fold.) 21<sup>cm</sup>.

— — 2. éd. Paris, M<sup>me</sup> V<sup>e</sup> Bouchard-Huzard, 1851. Agr 4—137-9

viii, 224 p. illus., 2 fold. pl. 22<sup>cm</sup>.

— — 3. éd. Paris, M<sup>me</sup> V<sup>e</sup> Bouchard-Huzard, 1875. Agr 4—137-9

2 p. l., 248 p. illus., 3 fold. pl. 22<sup>cm</sup>.

**Bourdon, Henri.** Industrie des soies. Rapport présenté à Monsieur le ministre des travaux publics, de l'agriculture et du commerce, par M. Henri Bourdon . . . suivi de considérations générales sur les diverses applications des procédés de ventilation, par M. d'Arcet . . . [Paris] Imprimé par ordre de M. le ministre du commerce, 1838. Agr 4—258

68 p. 23<sup>cm</sup>.

**Bourdon, Henri.** . . . Rapport sur l'état de l'industrie séricicole, dans le midi de la France, lu dans la séance du 25 janvier 1837; par M. Henri Bourdon . . . [Paris, Impr. de M<sup>me</sup> Huzard (née Vallat la Chapelle) 1837] Agr 4—3491

28 p. fold. plan. 22<sup>cm</sup>.

"Extrait des Mémoires de la Société royale et centrale d'agriculture, année 1837."

**Bourgnon de Layre, Antonin, baron.** . . . Rapport sur la situation de l'industrie sérigène dans le Département de la Vienne en 1840; fait à la Société, au nom d'une commission spéciale, par M. le baron Bourgnon de Layre . . . Poitiers, De l'imprimerie de F.-A. Saurin, 1840. Agr 4—3492

2 p. l., 62 p. 22½<sup>cm</sup>.

At head of title: Société d'agriculture, belles-lettres, sciences et arts de Poitiers, séances des 5 août et 18 novembre 1840.

**Boyer, François.** De la culture du mûrier, Par MM. F. Boyer . . . et G. de Labaume . . . Nîmes, Impr. C. Durand-Belle, 1845. Agr 4—302

150 p. 3 fold. pl. 21<sup>cm</sup>.

Cover has date: 1847.

**Brunet de la Grange.** . . . Rapport de M. Brunet de la Grange à M. le ministre de l'agriculture et du commerce. [Paris, Impr. de M<sup>me</sup> V<sup>e</sup> Bouchard-Huzard] 1841. Agr 4—3497

61 p. 24½<sup>cm</sup>.

Extrait des Annales de la Société séricicole.

**Butler, Edward Albert.** . . . Silkworms. By Edward A. Butler . . . London, S. Sonnenschein, Lowrey, & Co., 1888. Agr 4—3501

2 p. l., 100 p. illus. 18½<sup>cm</sup>. (Young collector series)

**Campbell, Walter Scott.** . . . Report on silk culture: its general history and productiveness; introduction and progress in various countries; together with its acclimatisation in Australia, and peculiar features in this colony. By Walter Scott Campbell, F. L. S. Sydney, C. Potter, government printer, 1893. Agr 4—260

2 p. l., 67 p. fold. pl. 24½<sup>cm</sup>.

At head of title: New South Wales.

**Campbell, Walter Scott.** . . . Sericulture. (Report by Mr. W. S. Campbell, F. L. S., on) Ordered by the Legislative assembly to be printed, 21 March, 1893. [Sydney, C. Potter, government printer, 1893] Agr 4—487

46 p. pl. 33½<sup>cm</sup>.

Caption title.

At head of title: 1892-3. Legislative assembly. New South Wales.

Also pub. under title: Report on silk culture.

**Caron, Quentin.** . . . Notice historique sur l'origine et les progrès de l'industrie séricicole, en Europe, et notamment en France, par M. l'abbé Caron. [n. p., 1840?] 18 p. 21<sup>cm</sup>. Agr 4—350

Caption title.

At head of title: Société royale d'agriculture et des arts de Seine-et-Oise.

**Chambon, Hipólito.** Tratado comparativo de sericultura adaptado á las condiciones climatológicas de la república Mexicana comprendiendo la historia de esa industria en Asia, Europa y América, por Hipólito Chambon. México, Oficina tip. de la Secretaría de fomento, 1888. Agr 4—262

85 p. 19<sup>cm</sup>.

**Chamecin.** Rapport de la Commission séricicole à l'Exposition universelle de Lyon. Projet d'une station séricicole à Lyon, par M. Chamecin . . . Lyon, Moniteur des soies, 1872. Agr 4—3506

12 p. 26<sup>cm</sup>.

Présentés au Congrès viticole et séricicole, tenu à Lyon, du 8 au 15 septembre 1872, sous les auspices de la Société des agriculteurs de France.

**Charrel, J.** Traité des magnaneries par J. Charrel . . . Paris, E. Marc-Aurel; [etc., etc.] 1848. Agr 4—263

xxiii, 110 p., 1 l., 137, [3] p. 13 pl. (1 fold. & col.) 24½<sup>cm</sup>.

**China—Inspector general of customs** . . . Silk. Published by order of the Inspector general of customs. Shanghai, Statistical department of the Inspectorate general, 1881. Agr 4—265

v, 163, [1] p. 34 pl. (33 col., 8 fold) map. 28<sup>cm</sup>. (China. Imperial maritime customs. II.—Special series: no. 3)

**Clugnet, Léon.** Géographie de la soie étude géographique et statistique sur la production et le commerce de la soie en cocon par Léon Clugnet . . . Mémoire couronné par la Société de géographie de Lyon. Lyon, Secrétariat de la Société de géographie, 1877.

x, 201 p. 25<sup>cm</sup>.

**Cobelli, Ruggero.** Altre contribuzioni alla teratologia del bombice del gelso, per il Dr. Ruggero Cobelli . . . Rovereto, Stab. tip. V. Sottochiesa, 1873.

11 p. 4 fold. pl. (1 col.) 20½<sup>cm</sup>.

Agr 4—3514

Estratto dal Giornale agrario di Rovereto, n. 21 & 22.—Anno 1873.

**Cobelli, Ruggero.** Teratologia del bombice del gelso, per il Dr. Ruggero Cobelli . . . Rovereto, Dallo stab. tip. di V. Sottochiesa, 1874. Agr 4—3515

21 p. pl. 23½<sup>cm</sup>.

Estratto dal Giornale agr. di Rovereto n. 10 & 11. Anno 1874.

**Como, Italy. R. Istituto tecnico e scuola di setificio.** Il R. Istituto tecnico e la scuola di setificio in Como: Como, Tipografia municipale di A. Giorgetti, 1878.

52, [7] p. 23<sup>cm</sup>.

Agr 4—3516

**Congrès séricicole international, de Milan, 1876.** Congrès séricicole international de Milan. [Compte-rendu] Montpellier, Imprimerie centrale du midi, Coulet, libraire-éditeur, 1876. Agr 4—303

60 p. 26½<sup>cm</sup>. (Station séricicole de Montpellier. E. Maillot, directeur. Mémoires et documents sur la sériciculture [1. sér., 2. fasc.])

**Congrès séricicole international, Rovereto, 1872.** . . . Du chauffage des magnaneries . . . Montpellier, Imprimerie centrale du midi, Coulet, libraire-éditeur, 1875. Agr 4—304

57 p. 26½<sup>cm</sup>. (Station séricicole de Montpellier. E. Maillot, directeur. Mémoires & documents sur la sériciculture [1. sér., 1. fasc.])

Extrait des Actes du Congrès séricicole international tenu en 1872 à Rovereto. (Atti e memorie, etc., Rovereto, 1873)

**Cornalia, Emilio.** . . . Expériences sur l'accouplement des papillons du bombyx du mûrier par Emilio Cornalia . . . Montpellier, Imprimerie centrale du midi, Coulet, libraire-éditeur, 1875. Agr 4—305

22, [2] p. 26½<sup>cm</sup>. (Station séricicole de Montpellier. E. Maillot, directeur. Mémoires et documents sur la sériciculture. [1 sér., 1 fasc.])



**Cornalia, Emilio.** Monografía del bombice del gelso (*Bombyx mori* Linneo) di Emilio Cornalia . . . [Milano, 1856]

387 p. xv pl. (partly fold., 1 col.) 32<sup>cm</sup>.

Caption title.

"Bibliografia:" p. 54-87.

From Mem. I. R. Istituto Lombardo, v. 6.

**Cotes, Everard Charles.** . . . Silk. Published under the authority of the government of India. Calcutta, Office of the superintendent of government printing, India, 1893.

Agr 4—3518

2 p. l., 9 p., 19 l. XIX pl. 25<sup>cm</sup>. (Imperial institute series. Handbooks of commercial products. Indian section. no. 23)

**Cotes, Everard Charles.** . . . Silk worms in India. Published by authority of the government of India, Revenue and agricultural department, Calcutta.

Agr 4—3519

cover-title, 1 p. l., [129]—173 p. VIII—XI pl. 25<sup>cm</sup>. (Indian museum notes. Issued by the trustees. vol. I, no 3)

**Dandolo, Vincenzo, conte.** L'art d'élever les vers à soie par M. le comte Dandolo . . . tr. de l'italien, rev. et augm. par F. Philibert Fontaneilles. 7. éd. avec plusieurs planches et le tableau synoptique d'une magnanerie modèle d'après le système de ventilation d'Arcet, appliqué à un local dont l'agencement se démonte à volonté de manière à ce que l'atelier puisse servir à tout autre usage avant et après l'éducation des vers à soie, par M. Brunet de la Grange . . . Paris, Magnin, Blanchard et c<sup>e</sup>, 1866.

Agr 4—269

384 p. II fold. pl., 2 fold. tab. 22<sup>cm</sup>.

**Dandolo, Vincenzo, conte.** The art of rearing silk-worms. Tr. from the work of Count Dandolo. London, J. Murray, 1825.

Agr 5—145

xxiv, 365, [2] p. front., II pl., 2 fold. tab. 20<sup>1</sup>/<sub>4</sub><sup>cm</sup>.

Plates wanting.

**Darbousse, Antoine.** Sériciculture; guide de l'éducateur, par A. Darbousse . . . 2. éd. rev. . . . Alais, Impr., lithographie A. Brugueirolle, 1883.

Agr 4—3521

15 p. 19<sup>cm</sup>

**Darcet, Félix.** Description d'une magnanerie salubre, au moyen de laquelle on pourra toujours procurer aux vers à soie le degré de ventilation, de chaleur et d'humidité le plus convenable pour la réussite de leur éducation, et d'un appareil pour sécher les feuilles de mûrier mouillées ou humides, par M. d'Arcet . . . suivie d'un rapport de M. Soulange Bodin sur une éducation de vers à soie, faite en 1835, par M. Camille Beauvais . . . et d'un mémoire sur l'industrie de la production des soies, par M. Henri Bourdon. Paris, Madame Huzard (née Vallat la Chapelle), 1836.

Agr 4—257

48 p. 5 fold. pl. 26<sup>1</sup>/<sub>4</sub><sup>cm</sup>.

**Darrah, H. Z.** The eri silk of Assam. By H. Z. Darrah . . . Shillong, Printed at the Assam secretariat press, 1890.

Agr 4—270

1 p. l., 40 p. 24<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

**Delprino, Michel.** La nouvelle sériciculture, enrichie de 20 planches démonstratives avec laquelle l'éducation des vers à soie a été changée en agréable passe-temps avec le gain du 15 p. % sur les systèmes en usage, par le chev. M. Delprino . . . Acqui, Typographie Borghi, 1867.

Agr 4—271

1 p. l., 66, [6], 67—80, 7, [4], p. 19 pl. (4 fold.) fold. tab. 21<sup>cm</sup>.

**Delprino, Michel.** Perte dans le produit de la soie par suite des défauts des système [!] usuels et appréciation des nouvelles méthodes cellulaires-isolatrices après 5 années d'espérances [!] démontrée par un rapport du gouvernement, par le chev. M. Delprino . . . Acqui, Typographie Borghi, 1867.

Agr 4—3526

32 p. 2 tab. (1 double, 1 fold.) 20<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

**Dickins, Thomas.** Silk supply: a guide to sericulture. By Thomas Dickins . . . London, Published by the Silk supply association, 1869.

Agr 5—146

35, [1] p. 21<sup>cm</sup>.

**Du Halde, Jean Baptiste.** Des soieries et des vers à soie en Chine, par le P. J.-B. du Halde . . . Montpellier, C. Coulet, 1879. Agr 4—3527

37, [1] p. 27½<sup>cm</sup>.

Extrait du tom. II de la Description géographique, historique, chronologique, politique et physique de la Chine et de la Tartarie chinoise . . . 1735.

**Dumas, J.** Rapport adressé à M. le préfet de la Drôme sur les expériences de sériciculture de M. Sauvageon . . . par M. Dumas . . . Valence, Impr. J. Césas, Sr de M. Aurel, 1862.

10 p. 21½<sup>cm</sup>.

**Duplat, P.** Sériculture, soies & soieries. Inventaire de 1873-76, par P. Duplat . . . Lyon, Moniteur des soies, 1874-77.

4 nos. in 1 v. 21½<sup>cm</sup>.

1875-76, have title: Inventaire de 1875-76, sériculture, soies & soieries.

**Dupuy de Lome, Enrique.** La seda, su cultivo y su producción en el imperio Japonés, por Don Enrique Dupuy de Lome. (Publicado por el Ministerio de fomento.) Madrid, Imprenta de T. Fortanet, 1875. Agr 4—3528

51 p. 25½<sup>cm</sup>.

**Duseigneur-Kléber, Édouard.** . . . Le cocon de soie, histoire de ses transformations, description des races civilisées et rustiques, production et distribution géographiques, maladies des vers à soie, physiologie du cocon et du fil de soie . . . 2. éd. entièrement rev. et augm. de 8 planches et d'un texte considérable. Paris, J. Rothschild, 1875. Agr 4—273

254 p., 1 l. front., xxvi pl., fold. map. 28<sup>cm</sup>.

At head of title: Duseigneur-Kléber.

**Dusuzeau, Jules.** Économie nouvelle dans l'élevage des vers à soie. Pratiques perfectionnées pour obtenir les cocons à bon marché . . . par J. Dusuzeau . . . Lyon, H. Georg, 1881.

30 p., 2 l. 3 pl. 23<sup>cm</sup>.

**Edwardes, M.** . . . Silkworms. A complete treatise on the mulberry-leaf and oak-leaf silkworms. By M. Edwardes. London, Dean & son [1898?]

62 p. illus. 18½<sup>cm</sup>. (Dean's practical guide books)

**France—Commission des soies.** Rapport de la Commission des soies sur ses opérations de l'année 1868. Membres de la Commission des soies MM. Pariset, président; Jourdan, Joannon, Fournet, Durand, Biéatrix, Billoud, Piaton (C.), Locard, Tabourin, Guinon, Sauzey, Charvériat, Perret, Paul Eymard, secrétaire-rapporteur. Lyon, Imprimerie administrative de Pitrat aîné, 1868. Agr 4—278

2 p. l., 32 p., 1 l. 24½<sup>cm</sup>.

**France—Ministère de l'agriculture et du commerce.** . . . Rapports publiés par le Ministère de l'agriculture et du commerce, Direction de l'agriculture, 1870. De la sériciculture (inspection de 1869) Rapport de M. de Chavannes de la Giraudière. Conseils aux éducateurs, par M. de Chavannes de la Giraudière. Rapport de M. Guérin-Méneville. Le bombyx de l'ailante, par M. Guérin-Méneville. L'ailanticulture, par M. Guérin-Méneville. Instruction sur l'emploi du microscope, par M. de Lachadenède. Paris, V. Masson et fils [1870] Agr 4—279

2 p. l., 146 p. 26<sup>cm</sup>.

**Franceschini, Felice.** . . . Guida pratica del coltivatore di bachi da seta. 2. ed. Milano, Ditta Brigola di G. Ottino e c., 1883. Agr 4—3535

2 p. l., 137, [2] p. illus. 18½<sup>cm</sup>.

**Franceschini, Felice.** Sulla conservazione del seme, memoria presentata al comitato ordinatore del Congresso bacologico internazionale in Milano il giorno 8 settembre 1876 da Felice Franceschini. [Milano] Coi tipi di G. Bernardoni [1876?] 8 p. 23½<sup>cm</sup>.

"Estratto degli Atti e memorie della quinta tornata del Congresso bacologico internazionale."

**Galfard, Marius.** Petit traité sur le ver à soie du mûrier, son éducation et ses diverses maladies, par Marius Galfard . . . Manosque, Impr. Demontoy, 1885.

28 p., 2 l. 15<sup>cm</sup>.

Agr 4—3537

**Gennadius, P. G.** Instructions to the silk-worm rearers and silk-worm-egg producers of Cyprus. *Οδηγίαι διὰ τοὺς βομβυκοτροφοὺς καὶ σποροπαραγωγοὺς τῆς Κύπρου, ὑπὸ Π. Γ. Γενναδίου, διευθυντοῦ τῆς γεωργίας. ἐν Λευκωσίᾳ, τυποεῖς “Φωνῆς τῆς Κύπρου,”* 1898.

1 p. l., 71, [1] p., 1 l. 23<sup>cm</sup>.

**Geoghegan, J.** Silk in India. Some account of silk in India, especially of the various attempts to encourage and extend sericulture in that country. Comp. by J. Geoghegan . . . Calcutta, Office of the superintendent of government printing, 1872.

Agr 4—280-1

1 p. l., vi, ix, 126, 15 p. 33<sup>cm</sup>.

— — 2d ed. Calcutta, Office of the superintendent of government printing, 1880.

Agr 4—280-1

xxiii, 177 p. 24½<sup>cm</sup>.

**Girard, Maurice.** Les auxiliaires du ver à soie; conférence faite au Jardin d'acclimatation le 16 juillet 1863, par M. Maurice Girard . . . Paris, J. B. Baillière et fils; [etc., etc.] 1864.

30 p. 24<sup>cm</sup>.

“Index des documents à consulter”: p. [27]–30.

“Extrait du Bulletin de la Société impériale d'acclimatation. (Nos d'avril, mai, juin et juillet 1864)”

**Givelet, Henri.** L'ailante et son bombyx; culture de l'ailante, éducation du ver que cet arbre nourrit, valeur et emploi de la soie qu'on en tire, par Henri Givelet. Ouvrage orné de plusieurs plans et de 14 planches coloriées, dessinées d'après nature par Ch. Millon de Montherlant. Paris, Librairie agricole de la Maison rustique [1866]

4—10169

xxv, 164 p. xix pl. (partly col.) 25<sup>cm</sup>.

**Gobin, Alphonse.** Précis élémentaire de sériciculture pratique. Mûriers & vers à soie, production, industrie, commerce de la soie, par A Gobin . . . Paris, Librairie Audot, Nielaus et c<sup>ie</sup> successeurs, 1874.

Agr 4—282

2 p. l., 269 p. illus. 18<sup>cm</sup>.

**Göritz, Austria. I. R. Istituto sperimentale di bachicoltura ed enologia.** L' I. R. Istituto sperimentale di bachicoltura ed enologia di Gorizia. [Gorizia, Tip. Paternolli, 1881]

15, [1] p. 24<sup>cm</sup>.

Caption title.

“Elenco delle pubblicazioni dell' I. R. Istituto . . . :” p. [10]–15.

**Göritz, Austria. I. R. Istituto sperimentale di bachicoltura ed enologia.** Tariffa degli esami microscopici e delle analisi chimiche che si eseguono all' I. R. Istituto sperimentale di bachicoltura ed enologia in Gorizia. Gorizia, Tipografia Paternolli, 1888.

24 p. 23<sup>cm</sup>.

“Estratto dal n. 1-2 degli “Atti e memorie” dell' I. R. Società agraria di Gorizia.”

**Guérin-Méneville, Félix Édouard.** . . . Association séricicole pour la fondation, à la ferme impériale de Vincennes (annexe), d'un laboratoire central de sériciculture comparée des sociétés agricoles de France et de l'étranger; établissement où seront instituées des expériences théoriques et pratiques sur toutes les espèces de vers à soie . . . par M. F. E. Guérin-Méneville. Paris, Bureau de la Revue de sériciculture comparée et de la Revue et magasin de zoologie, 1863.

Agr 4—3543

15, [1] p. 22½<sup>cm</sup>.

“Extrait de la Revue de sériciculture comparée. 1. cahier.—janvier 1863.”

**Guérin-Méneville, Félix Édouard.** Essai sur les lépidoptères du genre Bombyx qui donnent ou qui donneront de la soie . . . Paris, 1847.

Agr 4—3544

1 p. l., [447]–482 col. 24<sup>cm</sup>.

Extrait de l'Encyclopédie moderne, t. vi, col. 448 à 482.



**Guérin-Méneville, Félix Édouard.** Industrie séricicole. Compte-rendu général des travaux exécutés à la magnanerie expérimentale de St<sup>e</sup>-Tulle (Basses-Alpes), par MM. Guérin-Méneville et Eugène Robert . . . [Marseille, Typ. et lith. Barlatier-Feissat et Demonchy, 1853]

Agr 4—3545

36 p. 23<sup>cm</sup>.

Caption title.

Lu à l'Académie des sciences dans les séances du 24 octobre et du 7 novembre 1853.

**Guérin-Méneville, Félix Édouard.** Production de la soie. Situation. Maladies et amélioration des races du ver à soie . . . Paris, 1857.

32 p. 21<sup>cm</sup>.

"Extrait de la Revue et magasin de zoologie, XIX. année, n° 1.—1857."

**Guérin-Méneville, Félix Édouard.** Rapport à S. M. l'empereur sur les travaux entrepris par ses ordres pour introduire le ver à soie de l'aylanthe en France et en Algérie, par F. E. Guérin-Méneville . . . Paris, Imprimé par autorisation de M. le garde des sceaux à l'Imprimerie impériale, 1860.

Agr 4—285

2 p. l., 99, [1] p. 24<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

**Guérin-Méneville, Félix Édouard.** . . . Recherches sur les vers à soie sauvages et domestiques . . . 2. article. Introduction et acclimatation en Europe du Bombyx cynthia. [Paris, 1854]

16 p. fold. pl. 21<sup>cm</sup>.

Extrait du Bulletin de la Société zoologique d'acclimatation. no. 7. Septembre 1854.

**Guérin-Méneville, Félix Édouard.** Sur l'industrie de la soie en Algérie et sur le ver à soie du vernis du Japon introduit en France et en Algérie, par M. Guérin-Méneville. Communication faite à la Société impériale zoologique d'acclimatation (Comité de l'Algérie) présidée par M. Géry, préfet d'Alger. Extrait du procès-verbal de la séance du 10 septembre 1859 par M. Roucher . . . [Paris, 1859]

8 p. 20<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

Caption title.

**Hauterive, H.** Étude comparative des systèmes d'étouffage et de conservation des cocons . . . Lyon, 1890.

Agr 4—3549

31, [1] p. illus. 21<sup>cm</sup>.

Extrait du Moniteur des soies.

**Hedde, Isidore.** Répertoire sérитеchnique et éphémérides de la production de la soie tant de la Chine et du Japon que des autres pays sérifères, de Lyon surtout, par Isidore Hedde. Lyon, Le moniteur des soies, 1880.

Agr 4—307

141, [1] p. illus. 22<sup>cm</sup>.

**Heintl, Franz, ritter edler von.** Anleitung den seidenbau im freyen zu betreiben, und mit der üblichen seidenraupen-zucht im zimmer in eine sehr nützliche Verbindung zu bringen. Von dem k. k. hof- und gerichtsadvokaten, der sämtlichen rechte doktor Franz ritter edlen von Heintl. Wien, Auf kosten des verfassers, 1815.

109 p. 20<sup>cm</sup>.

Agr 4—286

**Heintl, Franz, ritter edler von.** Unterricht im seidenbaue. Von Franz ritter von Heintl . . . Wien, Auf kosten des verfassers, 1829.

Agr 4—308

3 p. l., 163 p. 20<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

**Herbelin, Jules.** De l'élevage des vers à soie. [n. p., n. d.]

17 p. 22<sup>cm</sup>.

**Historique et situation de la sériciculture et de la filature dans le royaume de Hongrie en 1900.** [Lyon, Paris, Imp. B. Arnaud, 1900?]

16 p. illus. incl. plan. 21<sup>cm</sup>.

Caption title.

Published for Exposition universelle de Paris 1900.

**[Hodgson, G. C.]** Report on the sericultural experiments carried on at Alipore by the Silk committee since the year 1891-92. [Calcutta? 1895]

cover-title, 10 p. 24<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

Report signed by G. C. Hodgson, Secretary, Silk committee.

**India—Bengal—Agricultural dept.** Note on some questions connected with silk production and trade in Bengal. [n. p., 1887]

51 p. 29½cm.

Caption title.

Wanting apx. C, p. 27-36; apx. E, p. 41-50.

**India—Central Provinces—Chief commissioner.** . . . Silk. <Dictionary of economic products, vol. vi, pt. iii. (Tasar silk), S. 1872-82> Tasar silk production in the Central Provinces. Resolution issued by the Chief commissioner in 1892 . . . Calcutta, 1893.

3 p. 24½cm. (The agricultural ledger. 1893—no. 9. Entomological series, no. 2)

**Indian museum, Calcutta.** List of the silk-producing lepidopterous insects recorded from the province of Assam. [Calcutta, Government of India central printing office, 1887]

2 p. 30cm.

— — reported from Bengal. [Calcutta, Government of India central printing office, 1887]

2 p. 30cm.

— — recorded from the presidency of Bombay. [Calcutta, Government of India central printing office, 1887]

1 l. 30cm.

— — recorded from British Burmah. [Calcutta, Government of India central printing office, 1887]

1 l. 30cm.

— — recorded from the Madras presidency. [Calcutta, Government of India central printing office, 1887]

1 l. 30cm.

— — recorded from the North-western Provinces and Oudh. [Calcutta, Government of India central printing office, 1887]

2 p. 30cm.

— — recorded from the Punjab. [Calcutta, Government of India central printing office, 1887]

1 l. 30cm.

**L'industrie séricicole en Annam d'après les rapports de MM. les résidents de France au Phu-yen et à Qui-nhon en Annam . . . Hanoi, 1899.**

1 p. l., 13, [1] p. 29cm.

Extrait de la Revue indo-chinoise.

**Italy—Ministero d' agricoltura, industria e commercio.** Statistica del regno d' Italia. Industria manifattrice. Trattura della seta nell' anno 1863-[64] (Ministero d' agricoltura, industria e commercio) Torino, Tipografia di E. Dalmazzo, 1864-65.

2 nos. 25½cm.

Imprint of 1864: Firenze, Tipografia Tofani, 1865.

**Jacob de Cordemoy, Hubert.** Les soies dans l'extrême orient et dans les colonies françaises; les vers à soie et leurs similaires, par le Dr. Hubert Jacob de Cordemoy . . . Paris, A. Challamel, 1902.

2—25382

2 p. l., 111, [1] p. col. front. 25½cm. (Produits naturels des colonies et cultures tropicales)

**Julien, Stanislas Aignan, tr.** Résumé des principaux traités chinois sur la culture des mûriers et l'éducation des vers à soie, tr. par Stanislas Julien . . . Publié par ordre du ministre des travaux publics, de l'agriculture et du commerce. Paris, Imprimerie royale, 1837.

Agr 4—309

xxii p., 3 l., 224 p. 10 pl. 29½cm.

**Julien, Stanislas Aignan, tr.** Summary of the principal Chinese treatises upon the culture of the mulberry and the rearing of silk worms. Tr. from the Chinese. Washington, P. Force, 1838. Agr 4—310

2 p. l., 198 p. 10 pl. 23½cm.

"This 'Summary' was first translated from the Chinese by Stanislas Julien . . . and printed at the Royal press, in Paris, by order of the minister of public works, agriculture, and commerce. The French copy, from which this translation was made, was transmitted from Paris to the secretary of state, and by his recommendation has been translated and published here. Washington, February, 1838."—Note by the publisher.

**Kaufmann, Ernst.** Progrès de la sériciculture, régénération des vers à soie, moyens pour reconnaître la graine falsifiée. Rapport à son excellence Monsieur le ministre de l'agriculture, du commerce et des travaux publics par Ernst Kaufmann . . . Paris, V. Masson; [etc., etc.] 1860. Agr 4—311

4 p. l., 100 p. 23½cm.

**Kohl, Friedrich.** Geschichte der Jacquard-maschine und der sich ihr anschliessenden abänderungen und verbesserungen nebst der biographie Jacquard's. Von Professor Friedrich Kohl . . . Eine von dem Verein zur beförderung des gewerb-leisses in Preussen gekrönte preisschrift. Beilage zum 51. jahrgange der Vereins-Verhandlungen (1872) . . . Berlin, Nicolaische verlags-buchhandlung (A. Effert & L. Lindtner) 1872. Agr 4—312

3 p. l., 197, [1] p. front. (port.) illus., xvi fold. pl. 28½cm.

**Laffemas, Barthélemy de.** . . . La façon de faire et semer la graine de meuri-ers, les élever en pépinières et les replanter aux champs, gouverner et nourrir les vers à soie au climat de la France plus facilement que par les mémoires de tous ceux qui en ont escript, faict par Barthelemy de Laffemas . . . Nouvelle éd. rev. sur celle de Pierre Pautonnier; Paris, 1604. Montpellier, C. Coulet, 1877. Agr 4—313

29 p. 26½cm. (Station séricicole de Montpellier. E. Maillot, directeur. Mémoires et documents sur la sériciculture [1. sér., 2. fasc.])

**[Laleu, G. O. de.]** . . . Expériences sur une éducation du ver à soie de l'ailante au jardin de l'Exposition. Rapport au Comité d'action, 1861. Nantes, Impr. M. Bourgeois, 1861.

30 p. 21cm.

At head of title: Exposition de Nantes.

**Lamare-Picquot, F. V.** De la régénération des races de vers à soie, et de l'in-troduction de nouvelles plantes alimentaires, par Lamarepicquot . . . Saint-Germain-en-Laye, Impr. Beau [1854] Agr 4—3563

cover-title, 7 p. 24cm.

Mémoire lu à l'Académie des sciences.

Extrait des Annales de la colonisation algérienne, livraison d'avril 1854.

**Lambert, F.** Étude sur l'espace-ment qu'il convient de donner aux vers à soie et sur l'action nuisible de l'entassement . . . [Montpellier, 1897]

24 p. 27cm.

Caption title.

Extrait Annales de l'École nationale d'agriculture de Montpellier.

**Lambert, F.** . . . Influence d'une faible diminution de la chaleur pendant les derniers jours de l'élevage sur les cocons du ver à soie du mûrier . . . Montpellier, 1899.

17 p., 1 l. 27cm. (Station séricicole de Montpellier. F. Lambert, directeur. Mémoires et documents sur la sériciculture)

Extrait des Annales de l'École nationale d'agriculture de Montpellier.

**Lambert, F.** Influence de l'eau sur le développement des vers à soie et sur le poids des cocons, par F. Lambert . . . [Paris, Typ. P. Renouard, 190-?] ]

10 p. 22cm.

Caption title.



**Laurent de l'Arbousset, A.** . . . Les Cévennes séricoles autrefois, aujourd'hui, prix de revient d'un kilogramme de cocons aux deux époques, comment s'achètent les cocons, comment se vendent les soies, des diverses marques et de la différence de prix qui existe entre elles, comment atténuer ces différences, l'avenir de la sériculture aux Cévennes. Lyon, Le moniteur des soies, 1875. Agr 4—314

2 p. l., 85, [2] p. 21½cm.

**Leclerc, Louis.** Écoliers et vers à soie, ou La petite magnanerie du père Tous-saint; par Louis Leclerc . . . Paris, M<sup>me</sup> V<sup>e</sup> Bouchard-Huzard, 1850. Agr 4—315

2 p. l., 272 p. illus. 18cm.

Advertisements: p. [267]—272.

**Lepori, Auguste.** Indications pratiques sur l'élevage des vers-à-soie par le chev. Dr. Auguste Lepori . . . Florence, Impr. de la Pia casa di Patronato pei Minorenni, 1886. Agr 4—3564

cover-title, 18 p. 22cm.

**Liotard, L.** Memorandum on silk in India. By L. Liotard . . . Calcutta, Printed by the superintendent of government printing, 1883.

pt. 1. 33cm.

**Lopez Peñafiel, Emiliano.** Cartilla para la crianza y ahogado del gusano de la seda, por Don Emiliano Lopez Peñafiel . . . [Murcia] Tip. de el Correo de Levante, 1902. Agr 3—417

23 p. 15cm.

**Luppi, G.** Dictionnaire de séricologie, comprenant l'art de produire la soie et de l'appréter, synonymie en cinq langues, texte en français par le docteur G. Luppi . . . Lyon, C. Méra [1872?] Agr 4—3567

xvi, [2], 506 p. 18½cm.

**Lyon, France. Chambre de commerce.** . . . Exposition collective de soies et de soieries, organisée par la Chambre de commerce de Lyon. Catalogue des exposants. Lyon, Impr. Pitrat aîné, 1889.

91 p. 17½cm.

At head of title: Exposition universelle de 1889 à Paris.

**Lyon, France. Chambre de commerce.** . . . Notice sur le Laboratoire d'études de la soie, travaux, collections, documents.

2 p. l., 53, [5] p. xx (i. e. 21 pl., 1 fold.) 28cm.

Descriptions printed on back of plates.

**Lyon, Société d'agriculture, sciences et industrie de.** . . . Rapport de la commission des soies sur ses opérations de l'année 1885, par M. J. Dusuzeau, secrétaire, suivi du compte rendu des opérations de la condition des soies de Lyon pendant l'année 1885 . . . Lyon, Impr. Pitrat aîné, 1886.

20, 19, [1] p. incl. tables. 2 fold. diagr. 26½cm.

At head of title: Société d'agriculture, histoire naturelle et arts utiles de Lyon.

**McCulloch, R. W.** . . . Sericulture; or, Silkworms and how to rear them. By R. W. McCulloch . . . Brisbane, J. C. Beal, government printer, 1893. Agr 2—129

1 p. l., [63]—85 p. illus., XIX pl. (2 fold.) 22cm. (Queensland. Dept. of agriculture, Brisbane. Bulletin no. 23. March, 1893)

Paged continuously with Bulletins 19 and 22.

**Maillot, Eugène.** . . . Congrès séricicole international de Montpellier. Montpellier, Imprimerie centrale du midi, Coulet, libraire-éditeur, 1874. Agr 4—318

10 p. 26½cm. (Station séricicole de Montpellier. E. Maillot, directeur. Mémoires et documents sur la sériciculture. [1. sér., 1. fasc.])

**Maillot, Eugène.** . . . Les congrès séricicoles internationaux. Montpellier, Imprimerie centrale du midi, Ricateau, Hamelin et c<sup>e</sup>, 1874. Agr 4—317

31 p. 26½cm. (Station séricicole de Montpellier. Mémoires et documents sur la sériciculture [1. sér., 1. fasc.]

**Maillot, Eugène.** . . . De l'art d'élever les vers à soie. Montpellier, Imprimerie centrale du midi, Coulet, libraire-éditeur, 1876. Agr 4—319

34 p. 26 $\frac{1}{2}$ cm. (Station séricicole de Montpellier. E. Maillot, directeur. Mémoires & documents sur la sériciculture [1. sér., 2. fasc.])

**Maillot, Eugène.** . . . De l'éclosion des graines de vers à soie par le frottement, l'électricité et l'hivernation artificielle. Revue des travaux les plus récents, par E. Maillot. Montpellier, Imprimerie centrale du midi, Coulet, libraire-éditeur, 1876.

Agr 4—320

23 p. 26 $\frac{1}{2}$ cm. (Station séricicole de Montpellier. E. Maillot, directeur. Mémoires et documents sur la sériciculture [1. sér., 2. fasc.])

**Maillot, Eugène.** . . . De la production des graines de vers à soie. Montpellier, Imprimerie centrale du midi, Coulet, libraire-éditeur, 1875. Agr 4—321

22, [2] p. 26 $\frac{1}{2}$ cm. (Station séricicole de Montpellier. E. Maillot, directeur. Mémoires & documents sur la sériciculture [1. sér., 1. fasc.])

**Maillot, Eugène.** Leçons sur le ver à soie du mûrier par M. Eugène Maillot . . . Montpellier, C. Coulet; [etc., etc.] 1885. Agr 4—3569

viii, [5]—273 p. illus., 3 pl. 23 $\frac{1}{2}$ cm.

**Maillot, Eugène.** . . . Méthodes de sélection pour la confection des graines de vers à soie. Revue des travaux les plus récents, par E. Maillot. Montpellier, Imprimerie centrale du midi, Coulet, libraire-éditeur, 1876. Agr 4—322

23 p. 26 $\frac{1}{2}$ cm. (Station séricicole de Montpellier. E. Maillot, directeur. Mémoires et documents sur la sériciculture [1. sér., 2. fasc.])

**Maillot, Eugène.** . . . Nouvelles races de vers à soie du mûrier. Rapport adressé à la Chambre de commerce de Lyon . . . Montpellier, C. Boehm, 1889. Agr 4—323

55 p. col. pl. 27cm. (Station séricicole de Montpellier. E. Maillot, directeur. Mémoires et documents sur la sériciculture)

Extrait des Annales de l'École nationale d'agriculture de Montpellier.

**Maillot, Eugène.** . . . Le système Pasteur et ses résultats, par E. Maillot. Montpellier, Imprimerie centrale du midi, Coulet, libraire-éditeur, 1876. Agr 4—324

18 p. 26 $\frac{1}{2}$ cm. (Station séricicole de Montpellier. E. Maillot, directeur. Mémoires et documents sur la sériciculture [1. sér., 2. fasc.])

**Maillot, Eugène.** Traité sur le ver à soie du mûrier et sur le mûrier, par E. Maillot . . . [et] F. Lambert . . . Montpellier, Coulet et fils, 1906 [pub. 1905]

ix, [5]—622 p. illus., III pl. (incl. front.) 23cm.

**Malpighi, Marcello.** La structure du ver a soye, et de la formation du poulet dans l'œuf. Contenant deux dissertations de Malpighi. . . . Addressées en forme de lettre à l'Académie royale d'Angleterre, établie à Londres, pour l'accroissement de la physique, mises en françois par \* \* \* docteur en médecine. Paris, M. Villery, 1686. Agr 4—325

2 p. l., 384 p. 5 pl. 16 $\frac{1}{2}$ cm.

**Malpighi, Marcello.** . . . Traité du ver à soie, par Malpighi; texte original et planches, avec une traduction et des notes en français, par E. Maillot . . . Montpellier, C. Coulet, 1878.

xvi, [2], [19]—154 p. XII pl. 35 $\frac{1}{2}$ cm. (Station séricicole de Montpellier. Mémoires et documents sur la sériciculture)

**Manuel, R. A.** The silks of British Burma, by Mr. R. A. Manuel . . . [n. p., 18—]

14 p. 22cm.

**Masquard, Eugène de.** Le Congrès séricicole international de Montpellier et les doctrines de ses principaux membres . . . [Lyon, Imp. L. Bourgeon, 1874]

24 p. 21 $\frac{1}{2}$ cm.

Caption title.

**Masquard, Eugène de.** . . . De l'éducation rationnelle des vers à soie et de la décentralisation de la sériciculture en France, par M. Eugène de Masquard . . . Lyon, Impr. d'A. Vingtrinier, 1869. Agr 4—3570

20 p. 23<sup>cm</sup>.

At head of title: Congrès agricole de Lyon, séance du 24 avril 1869.

**Mercolini, Luigi.** Guardate il baco. Precetti di bachicoltura razionale compilati dal Cav. Prof. Luigi Mercolini. Ed. ordinata dallo studio commissionario di Cremona . . . Guida teorico-pratica . . . Cremona, Tipografia Groppi, 1883. Agr 4—326

4 p. 1., 102 p., 1 l. 22<sup>cm</sup>.

**Millet, P. A.** Notice sur les quatre éducations de vers à soie faites en 1839 dans le Département de la Vienne, par MM. Millet et Robinet, et Madame Millet. Paris, Impr. de L. Bouchard-Huzard, 1840?]

Agr 4—3573

32 p. pl. 22<sup>cm</sup>.

**Milne-Edwards, Henri.** . . . Rapport sur diverses questions relatives à la sériciculture, présenté au nom d'une commission spéciale par M. Milne-Edwards. [Paris, Impr. de M<sup>me</sup> V<sup>e</sup> Bouchard-Huzard, n. d.]

8 p. 23<sup>cm</sup>.

Caption title.

At head of title: Société nationale et centrale d'agriculture.

**Montpellier. Station séricicole de Montpellier.** Mémoires et documents sur la sériciculture. Montpellier, Imprimerie centrale du midi, Coulet, libraire-éditeur, 1875.

sér. 1, fasc. [1]—2. 26<sup>cm</sup>.

CONTENTS.—1. sér., [1. fasc.] I. Les congrès séricicoles internationaux; compte-rendu sommaire, par E. Maillot. II. Recherches sur la gattine et la flacherie, par Verson et Vlacovich. III. Congrès séricicole international de Montpellier; compte-rendu sommaire, par E. Maillot. IV. De la production des graines de vers à soie (sujet de la 1<sup>e</sup> série de conférences faites en 1874-75), par E. Maillot. V. Du chauffage des magnaneries (extrait des actes du Congrès de Rovereto) VI. Expériences sur l'accouplement des papillons du bombyx du mûrier, par E. Cornalia. VII. De la soie en Europe, par Pinchetti, Mattiuzzi et Nessi.—1. sér., 2. fasc. VIII. De l'art d'élever les vers à soie (sujet de la 2<sup>e</sup> série de conférences faites en 1875), par E. Maillot. IX. Méthodes de sélection (Revue des travaux récents), par E. Maillot. X. Éclosion des graines par le frottement, l'électricité et l'hivernation artificielle (Revue des travaux récents), par E. Maillot. XI. Le système Pasteur et ses résultats, par E. Maillot. XII. Congrès séricicole international de Milan; compte rendu. XIII. La façon de faire et semer la graine de meuriers, gouverner et nourrir les vers à soie, par Barthélemy de Lafemas. XIV. Essai historique sur l'industrie de la soie en France, au temps de Henri IV, par A. Poirson.

**Morikouni, Ouëkaki.** Il modo di allevare i bachi da seta al Giappone, opera dal testo giapponese di Ouëkaka Morikouni, tr. nuovamente in francese da Mermet de Cachon . . . e dal francese volta in italiano con analoghe osservazioni da Isidoro dell' Oro e pubblicata per cura della Società agraria di Lombardia, aggiunto un trattatello sulla coltivazione del yama-maï o baco della quercia. Milano, Tipografia del Pio istituto di patronato, 1865. Agr 5—175

xii, 48 p. 23<sup>cm</sup>.

**Murcia (Spain), Estacion sericícola de.** . . . Experiencias realizadas durante la campaña sedera de 1902. [Murcia] Tip. Las provincias de levante, 1902.

2 nos. fold. tab. 14<sup>cm</sup>. (Ministerio de agricultura, industria, comercio y obras públicas. Dirección general de agricultura, industria y comercio)

CONTENTS.—Cria de gusanos al sol.—Semillas que se emplean en esta huerta.

**Nenci, Tito.** . . . I bachi da seta. 3. ed. con note e aggiunte di Francesco Nenci . . . Milano, U. Hoepli, 1900.

[v]—x p., 1 l., 300 p. front. (port.) illus., 2 pl. 15<sup>cm</sup>. (Manuali Hoepli)

At head of title: Tito Nenci.

**Núñez Ortega, A.** Apuntes históricos sobre el cultivo de la seda en México, reunidos por A. Núñez Ortega . . . Bruselas, G. Mayolez, 1883. Agr 4—328

69 p. 29<sup>cm</sup>.



**Peligot, Eugène Melchior.** Études chimiques et physiologiques sur les vers à soie, par M. Eug. Peligot . . . Paris, Impr. de Madame veuve Bouchard-Huzard, 1853.

Agr 4—3582

cover-title, 43 p. 21½<sup>cm</sup>.

At head of caption title: Société nationale et centrale d'agriculture.

**Perret, Adrien.** Monographie de la condition des soies de Lyon par M. Adrien Perret . . . Publié par ordre de la Chambre de commerce de Lyon. Lyon, Impr. Pitrat aîné, 1878.

Agr 4—417

vi, 353 p. 27<sup>cm</sup>.

**Personnat, Camille.** Le ver à soie du chêne (*Bombyx yama-mai*) son histoire—sa description—ses mœurs—son éducation—ses produits. Ouvrage couronné par la Société impériale d'acclimatation, encouragé par LL. EE. le ministre de l'instruction publique et le ministre de l'agriculture, du commerce et des travaux publics . . . par Camille Personnat. 4. éd., rev. et augm. Paris, Librairie agricole de la maison rustique, 1868.

Agr 4—330

2 p. l., viii, 132 p. illus., 3 col. pl. 22½<sup>cm</sup>.

**Pestalozza, Alexandre.** Les vers-à-soie du Japon. Mémoire du Prof. Alexandre Pestalozza, tr. de l'italien sur la 2. éd. et avec approbation de l'auteur par Henri Louis. Milan, Impr. de J. Agnelli, 1865.

viii, 80 p. 21<sup>cm</sup>.

**Pinchetti, P.** . . . La soie en Europe, historique sommaire de sa production et de ses manufactures, jusqu'en 1873. Extrait du rapport de P. Pinchetti, F. Mattiuzzi, J.-B. Nessi sur les soies et soieries à l'Exposition universelle de Vienne (tr. de l'italien par E. Maillot) Montpellier, Imprimerie centrale du Midi, Coulet, libraire-éditeur, 1875.

Agr 4—332

v, [7]—50, [2] p. 26½<sup>cm</sup>. (Station séricicole de Montpellier. Mémoires et documents sur la sériciculture. [1. sér., 1. fasc.])

**Poirson, Auguste Simon Jean Chrysostome.** . . . Essai historique sur l'industrie de la soie en France au temps de Henri IV, par Auguste Poirson . . . Montpellier, C. Coulet, 1877.

Agr 4—333

60 p. 26½<sup>cm</sup>. (Station séricicole de Montpellier. E. Maillot, directeur. Mémoires et documents sur la sériciculture. [1. sér., 2. fasc.])

Extrait de l'Histoire du règne de Henri IV. 3<sup>e</sup> édit., liv. vii, chap. v.—Paris, Didier et c<sup>ie</sup>, 1866.

**[Porter, George Richardson]** A treatise on the origin, progressive improvement, and present state of the silk manufacture. London, Longman, Rees, Orme, Brown, and Green; [etc.] 1831.

Agr 5—227

2 p. l., xv, 339, [1] p. illus. 16½<sup>cm</sup>. (*Half-title:* The cabinet cyclopædia)

Work has 3 title-pages; 1st has at head of title: The cabinet cyclopædia. Conducted by the Rev. Dionysius Lardner . . . Useful arts; 2d has at head of title: The catalogue of useful arts. Conducted by the Rev. Dionysius Lardner . . . 3d is engraved and has no series note.

**Preobrazhenskii, Petr M.** Историческій обзор развитія шелководства въ Москвѣ и югозападныхъ отъ нея губерніяхъ и дѣйствій Комитета шелководства съ 1847 года апрѣля 7 и по 7 апрѣля 1872 годъ. П. М. Преображенскаго . . . Москва, Въ Университетской типографіи (Катковъ и ко.) 1872.

Agr 4—492

2 v. in 1. front. (port.) 23<sup>cm</sup>.

Historical sketch of progress of sericulture in Moscow and southwestern provinces and proceedings of the Committee on sericulture from April 7, 1847, to April 7, 1872 . . .

**Pullein, Samuel.** The culture of silk, or, An essay on its rational practice and improvement. In four parts. i. On the raising and planting of mulberry trees. ii. On hatching and rearing the silk-worms. iii. On obtaining their silk, and breed. iv. On reeling their silk-pods. For the use of the American colonies. By the Rev. Samuel Pullein . . . London, Printed for A. Millar, 1758.

Agr 4—334

xv, 299 p. front. 20<sup>cm</sup>.

**Quajat, Enrico.** Bozzoli e sete ottenuti con la *Maclura aurantiaca* . . . Padova, [1890]

11 p. 23<sup>cm</sup>.

Estratto dal Bollettino mensile di bachicoltura febbraio 1890.

**Quajat, Enrico.** Compendio di bacologia, presentato in venti lezioni da Enrico Dr. Quajat . . . 2. ed., riveduta ed aumentata dall' autore. Verona [etc.] Drucker & Tedeschi, 1878.

Agr 4—3587

3 p. l., 261 p., 1 l. 18½<sup>cm</sup>.

**Quajat, Enrico.** . . . Elasticità della bava nei bozzoli italiani. [Padova, 1888]

11, [1] p. 22½<sup>cm</sup>.

Estratto dal Bollettino mensile di bachicoltura.

**Quajat, Enrico.** Influence des eaux de filature sur la soie grège par M. le Dr E. Quajat . . . Lyon, Moniteur des soies, 1889.

Agr 4—3588

31 p. 22½<sup>cm</sup>.

**Quajat, Enrico.** . . . Influenza delle acque di trattura sulla seta greggia. [Padova, n. d.]

21, [1] p. 22½<sup>cm</sup>.

Estratto dal Bollettino mensile di bachicoltura.

**Quajat, Enrico.** Influenza delle medie e basse temperature sulla nascita del seme bachi. Ricerche sperimentali . . . Padova, 1883.

1 p. l., 37 p., 1 l. 22½<sup>cm</sup>.

Estratto dal Bollettino di bachicoltura, anno 1883, n. 5 e 6.

**Quajat, Enrico.** . . . Note ed appunti di bachicoltura e di sericoltura. Padova, Stab. tip. ditta L. Penada, 1904.

54 p. 24<sup>cm</sup>.

**Quajat, Enrico.** I. Nuove ricerche dirette a constatare il sesso nelle uova. Forma varia delle uova. II. Metodo Ishiwata per separare le larve secondo il sesso . . . Trento, 1905.

15 p. illus. 20½<sup>cm</sup>.

Estratto dall' Almanaco agrario del Consiglio provinciale d' agricoltura, sezione di Trento, per l' anno 1905.

**Quajat, Enrico.** . . . Un nuovo serimetro per la bava dei bozzoli. Padova [n. d.]

15 p. illus. 22½<sup>cm</sup>.

Estratto dal Bollettino mensile di bachicoltura.

**Quajat, Enrico.** Prodotti respiratori delle uova del filugello durante l' incubazione normale. Memoria . . . Torino, 1899.

27 p. II diagr. 24<sup>cm</sup>.

Estratto dagli Annali della R. Accademia d' agric. di Torino, vol. XLII. Adunanza del 5 marzo 1899.

**Quajat, Enrico.** . . . Rapporti tra bozzoli e seta greggia. Padova [n. d.]

32 p. 21½<sup>cm</sup>.

Estratto dal Bollettino mensile di bachicoltura.

**Quajat, Enrico.** Recherches sur les produits de respiration des œufs du ver-à-soie . . . (Résumé de l'auteur) [Turin, 1897]

Agr 4—335

13 p., 1 l. 23½<sup>cm</sup>.

Caption title.

Extrait des Archives italiennes de biologie, t. XXVII, fasc. III.

**Quajat, Enrico.** Sugli incrociamenti fra le razze bianche del baco da seta. [Firenze, 1885]

11 p. 22<sup>cm</sup>.

Estratto dal Bullettino della Società entomologica italiana, anno XVII, pag. 229-239.

**Quajat, Enrico.** Sulla diminuzione di peso nei bozzoli; ricerche sperimentali di E. dott. Quajat . . . [Padova, Stab. tip. ditta L. Penada, 1885]

Agr 4—3589

16 p. 23<sup>cm</sup>.

"Note bibliografiche": p. 16.

**Quatrefages de Bréau, Jean Louis Armand de.** . . . Silk-worms and sericulture . . . Tr. by Eliza A. Youmans. [New York, 1873]

[657]—676 p. illus. 23½<sup>cm</sup>.

From Popular science monthly. October, 1873.

**Quercy, P.** . . . Instructions pratiques sur l'éducation du ver à soie, par P.

Quercy . . . Oran, Impr. typographique et lithographique V. Collet, 1891.

16 p. 23½cm.

At head of title: Chaire d'agriculture du Département d'Oran.

**Quirici, Gerolamo.** La cria del gusano de seda y sus enfermedades por Gerónimo Quirici. 5. ed., revista ampliada é ilustrada, tr. del italiano. Pavia, Premiada tipografía de los hermanos Fusi, 1887.

Agr 5—230

3 p. l., xv, 47 p. front (port.) illus. 22cm.

**Quirici, Gerolamo.** Dell' allevamento del baco da seta e sue malattie per Gerolamo Quirici. 5. ed., riveduta-ampliata ed illustrata. Pavia, Premiata tipografia fratelli Fusi, 1887.

Agr 5—231

3 p. l., xv, 45 p. front. (port.) illus. 22cm.

**Quirici, Gerolamo.** Nuovo sistema di sfarfallamento, per Gerolamo Quirici . . . Pavia [188—]

15 p. illus. 25½cm.

**Rieu, Jules.** Conférence sur l'acclimatation des vers à soie japonais du mûrier de la race annuelle à cocons blancs donnée au Palais de l'industrie à Paris le 10 septembre 1865 par Jules Rieu . . . Paris, Impr. Jouaust, 1865.

16 p. 24½cm.

**Robert, Eugène.** . . . Note sur les travaux séricicoles exécutés à la magnanerie de Sainte-Tulle (Basses-Alpes), par M. Eugène Robert. Lue à la Société d'agriculture, le 15 mai 1850. Paris, Impr. de M<sup>me</sup> Ve Bouchard-Huzard, [1850?]

8 p. 22¼cm.

At head of title: Société nationale et centrale d'agriculture.

**Robinet, Stéphane.** Mémoires sur l'industrie de la soie; par Robinet . . . Ventilation des magnaneries. Paris, Millet et Robinet, 1839-41.

Agr 4—338

2 p. l., 27, 130, 38 p. 3 pl. (2 fold.) 22cm.

Consists of three memoirs, originally published in Mémoires de la Société royale et centrale d'agriculture.

**Rodez, comte de.** Compte-rendu des éducations précoces de vers à soie faites en 1868 dans la magnanerie expérimentale du Comice agricole du canton de Ganges (Hérault). Montpellier, Typographie de P. Grollier, 1868.

19, [1] p. 21¼cm.

**Roman, Léopold.** Manuel du magnanier. Application des théories de M. Pasteur à l'éducation des vers à soie, par Léopold Roman . . . Paris, Gauthier-Villars, successeur de Mallet-Bachelier, 1876.

Agr 4—339

vii, 136 p. illus., vi pl. (2 col.) 18cm.

**Rondot, Natalis.** L'art de la soie. Les soies, par M. Natalis Rondot . . . 2. éd., pub. aux frais de la Chambre de commerce de Lyon . . . Paris, Imprimerie nationale, 1885-87.

Agr 4—340

2 v. illus. 28cm.

**Ruggieri, Luigi.** Atlante anatomico del baco da seta disegnato e descritto dal Prof. Luigi Ruggieri . . . 2. ed. Firenze, Stab. lit<sup>co</sup> Borranì [n. d.]

cover-title, 8 p., 17 l. 17 pl. 21¼cm.

**Sauvages de la Croix, Pierre Augustin Boissier de.** L'art d'élever les vers à soie par l'abbé Boissier des Sauvages. Nouvelle éd. tirée de l'éd. de 1788, ordonnée et annotée à l'usage des sériculteurs modernes par G. Luppi . . . Lyon, Le moniteur des soies, 1881.

Agr 4—341

xix, 220 p. 22cm.

**Selvatico, S.** . . . L'aorta nel corsaletto e nel capo della farfalla del bombice del gelso . . . Padova, Stab. tip. prov. ditta L. Penada, 1887.

Agr 5—44

cover-title, 19 p. 2 double pl. 23cm. (R. Stazione bacologica sperimentale. Pubblicazioni . . . II)

**Sericulture and silk-reeling in Hungary in 1901 . . .** Budapest, Printing office of the Franklin society [190—]

cover-title, 36 p. illus. 23cm.



**Shavrov, Nikolai Nikolaevich.** Добывание, обработка и условия сбыта шелка и организация правительственных и общественных учреждений по шелководству и шелковой промышленности в Австро-Венгрии, Италии, Франции и других шелководных странах. Отчет по заграничной поездке представленный Министерству государственных имуществ Н. Н. Шавровым. Съ приложением шелководственной карты Европы и альбома рисунков. С.-Петербургъ, Типографія В. Киршбаума, 1890.

Agr 4—494

1 p. l., ix, 588 p. fold map, and album of 50 double pl. 26<sup>cm</sup>.

Production, manufacture, and conditions of sale of silk and governmental organizations and societies for silk culture and silk industry in Austro-Hungary, Italy, France and other silk-producing countries. Report of foreign travel presented to the Minister of public domains by N. N. Shavrov. With annexed sericultural map of Europe and album of drawings.

**Shavrov, Nikolai Nikolaevich.** Наставление къ замариванию, сушкѣ и сохраненію коконовъ . . . Составилъ Н. Н. Шавровъ. Тифлисъ, Типогр. А. С. Федорова, 1896.

16 p. 1 pl. 26<sup>cm</sup>.

Agr 3—1005

Instruction for the killing, drying and preservation of cocoons . . .

“Напечатано по распоряженію г. уполномоченнаго Министра земледѣлія и государственныхъ имуществъ на Кавказѣ.”

**Shavrov, Nikolai Nikolaevich.** . . . Основные правила выкормки шелководныхъ червей. Сост. Н. Н. Шавровъ. Изданіе 5-е, дополненное. Тифлисъ, Типографія К. П. Козловскаго, 1900.

Agr 4—898

48 p. illus., 2 pl. 25<sup>cm</sup>.

Fundamental principles of the feeding of silk worms. Ed. 5, enl.

At head of title: Кавказская шелководственная станція.

Напечатано по распоряженію г. уполномоченнаго Министра земледѣлія и государственныхъ имуществъ на Кавказѣ.

**Siau, Antoine.** Rapports sur l'industrie séricicole du Département des Pyrénées-Orientales en 1859, et sur les produits envoyés par la Société agricole au concours de Carcassonne, en mai 1859, et sur la culture des artichauts . . . Perpignan, 1860.

1 p. l., 16 p. 22<sup>cm</sup>.

Agr 4—3605

Extrait du 12<sup>e</sup> Bulletin de la Société agricole, scientifique et littéraire des Pyrénées-Orientales.

**Sira-Kawa.** . . . Traité de l'éducation des vers à soie au Japon, par Sira-Kawa de Sendai (Osyu). Tr. pour la première fois du japonais par Léon de Rosny . . . Publié par ordre de son excellence le ministre de l'agriculture. Paris, Imprimerie impériale, 1868.

Agr 4—3606

2 p. l., lxiv, 228, [2] p. illus., xxiv pl. (17 col., 3 double), incl. 2 double maps. 21½<sup>cm</sup>.

At head of title: . . . Yô-san-sin-sets.

**Stradivari, Cesare.** Sulla educazione dei bachi da seta e sulla coltivazione dei gelsi, memoria del dottore Cesare Stradivari. Premiata dall' I. R. Istituto Lombardo di scienze, lettere ed arti. Sul programma pubblicato il 14 marzo 1838. Milano, Dalla tipografia di G. Bernardoni di Gio, 1841.

Agr 4—343

132 p. 22<sup>cm</sup>.

**Tastet, Émile.** . . . Rapport de M. Émile Tastet sur l'introduction en France des vers à soie sauvages de la Chine. Paris, Impr. S. Raçon et c<sup>ie</sup>, 1854.

Agr 4—3618

30 p. 23<sup>cm</sup>.

“Extrait du Bulletin de la Société zoologique d'acclimatation. no. 3. Mai 1854.”

**Tikhomirov, Aleksandr Andreevich.** Основы практическаго шелководства. Изданіе 2-е (дополненное), по порученію Министерства земледѣлія и государственныхъ имуществъ. А. Тихомирова . . . Москва, Университетская типографія, 1895.

Agr 4—899

1 p. l., xiii, 374 p., 1 l. illus., pl., tab. 25½<sup>cm</sup>.

Elements of practical silk culture. Ed. 2 (enl.) By order of the Department of agriculture and state domains. . . .

**Toyama, Kametaro.** On the spermatogenesis of the silk-worm . . . [Tokyo, 1894]

[125]-157 p. III-IV double pl. 24<sup>cm</sup>.

"List of works referred to:" p. [152]-153.

"The preliminary note of this paper was published in the 'Zoologischen anzeiger' no. 438 this year [1893]"

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16 p. 24<sup>cm</sup>.

Extrait du journal le Moniteur des soies de Lyon.

**Tranquilli, G.** Del baco da seta e suo allevamento, cenni pratici del cav. dott. G. Tranquilli. Bologna, Tipografia Mareggiani, 1885.

Agr 4—3620

38 p. 18½<sup>cm</sup>.

**Uzielli, Gustave.** Sur l'application du sulfure de carbone à l'étouffement des chrysalides des vers à soie, la conservation et l'exportation des cocons d'après des expériences faites par M<sup>rs</sup> Edouard Beccari e Gustave Uzielli. Mémoire par Gustave Uzielli. [n. p., 18—]

24 p., 1 l. fold. pl. 23<sup>cm</sup>.

**Verein zur beförderung des seidenbaues in der mark Brandenburg und Niederlausitz.** Kurze anleitung zur erziehung und pflege des maulbeerbaums und zum seidenbau. Hrsg. von dem vorstande des Vereins zur beförderung des seidenbaues in der mark Brandenburg und Niederlausitz. 2. ausgabe. Berlin, G. Bethge, 1854.

Agr 4—346

73 p. 20½<sup>cm</sup>.

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Agr 4—347

cover-title, 8 p. 20½<sup>cm</sup>.

**Verson, Enrico.** . . . Altre cellule glandulari, di origine postlarvale (cellule glandulari epigastriche) . . . Padova, Stab. tip. prov. ditta L. Penada, 1892.

Agr 5—41

cover-title, 16 p., 1 l. fold. pl. 23<sup>cm</sup>. (R. Stazione bacologica di Padova. Pubblicazioni . . . VII)

**Verson, Enrico.** . . . Cellule glandulari ipostigmatiche nel Bombyx mori . . . Padova, Stab. tip. prov. L. Penada, 1891.

Agr 5—59

cover-title, 19, [1] p. 2 fold. pl. 23<sup>cm</sup>. (R. Stazione bacologica di Padova. Pubblicazioni . . . VI)

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**Verson, Enrico.** . . . Dei segni esterni atti a rivelare nel Bombyx m. il sesso della larva. Venezia, 1905.

[497]-501 p. illus. 25<sup>cm</sup>.

From Atti del Reale istituto veneto di scienze, lettere ed arti. vol. LXIV. pt. 2, 1904-1905.

**Verson, Enrico.** Del filugello e del suo allevamento; lezioni del dottore Enrico Verson . . . 2. ed. Torino, Unione tipografico-editrice, 1877.

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Agr 5—62

1 p. l., 40 p. II double pl. 23<sup>cm</sup>. (On cover: R. Stazione bacologica sperimentale . . . X)

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Agr 5—65

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Agr 4—351

64 p. 21½<sup>cm</sup>.

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pts. 1-7. illus. 27<sup>cm</sup>.

From the Technical educator, vol. III, p. 8-10, 71-74, 126-128, 177-179, 289-291, 327-330; vol. IV (?) p. 37-40.

**Wan Chú.** Cultivation of the mulberry and rearing the silkworm. Tr. from the Tsán Säng Hoh-pien . . . Reprinted from the Chinese repository. [n. p., n. d.]

14 p. 21<sup>cm</sup>.

Agr 4—352

Caption title.

Preface of original work dated 1844.

**Wardle, Thomas.** . . . Handbook of the collection illustrative of the wild silks of India, in the Indian section of the South Kensington museum, with a catalogue of the collection and numerous illustrations. By Thomas Wardle. London, Printed by G. E. Eyre and W. Spottiswoode, for H. M. Stationery off., 1881.

Agr 4—353

xii, 163 p. incl. LXVI pl. (1 fold., incl. 3 maps) 22<sup>cm</sup>.

At head of title: Science and art department of the Committee of council on education, South Kensington.

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1 p. l., 29 p. 2 pl. 23½<sup>cm</sup>. (*Half title*: Perak museum notes, no. 1)

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## DISEASES OF THE SILKWORM.

**Bassi, Carlo Agostino.** De la muscardine (maladie des vers à soie), de ses principes et de sa marche; moyens de la reconnaître, de la prévenir et de la détruire. Abrégé de l'ouvrage de M. le docteur Agostino Bassi . . . par M. le comte Jacques Barbô . . . Paris, Chez les principaux libraires, 1836. Agr 4—197

2 p. l., xii, 82 p. pl. 20½cm.

**Bernard-Durand.** Méthode et instruction pratique pour l'extinction progressive de la gattine et des autres maladies constitutionnelles et héréditaires qui peuvent en général frapper le ver à soie, par M. et M<sup>me</sup> Bernard-Durand; traité publié avec l'encouragement et sous les auspices de la Commission des soies dépendante de la Société impériale d'agriculture, sciences et arts utiles de Lyon . . . Paris, F. Savy, 1860.

47 p. 23cm.

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**Charrel, J.** Acétrophie, ou gattine des vers à soie, nouveaux et importants détails sur cette maladie, opinion de l'auteur sur la méthode André Jean, et conseils pour régénérer les vers et se débarrasser du fléau, par M. J. Charrel . . . Grenoble, Impr. de Prudhomme, 1857.

Agr 4—3509

38, [3]—19 p. 22cm.

— **Charrel, J.** Gattine des vers à soie, ou Étude des causes du fléau qui a frappé plus ou moins les éducations de 1856, et conseils pour régénérer les vers et obtenir de bon résultats . . . Grenoble, 1856.

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**Ciccone, Antonio.** . . . De la muscardine et des moyens d'en prévenir les ravages dans les magnaneries, par M. Ciccone . . . Paris, M<sup>me</sup> V<sup>e</sup> Bouchard-Huzard, 1858.

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196 p. III pl. 21½cm.

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16 p. illus. 18½cm.

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38 p. pl. 24½cm,

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8 p. 22½cm.

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12 p. 22cm.

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**Mason, James Wood.** [Report on the disease among the silk-worms in India] [Calcutta, Government of India central printing office, 1887]

3 p. 28½cm.

**Méritan, Édouard.** De la gattine, son origine, les causes qui l'ont produite et son invasion épidémique. Moyens, pour la combattre, employés jusqu'à nos jours. Nos appréciations sur ce sujet. Par Édouard Méritan fils . . . Carpentras, Impr. de L. Devillario, 1858.

24 p. 21cm.

Agr 4—3572

**Moniez, Romain Louis.** Note sur un parasite nouveau du ver à soie . . . [Paris] 1887.

2 p. 25<sup>cm</sup>.

Extrait du Bulletin de la Société zoologique de France, t. XII, 1887.

**Nysten, Pierre Hubert.** Recherches sur les maladies des vers à soie, et les moyens de les prévenir, suivies d'une instruction sur l'éducation de ces insectes; ouvrage publié par ordre du ministre de l'intérieur, par P. H. Nysten . . . Paris, De l'imprimerie impériale, 1808.

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**Pasteur, Louis.** Études sur la maladie des vers à soie, moyen pratique assuré de la combattre et d'en prévenir le retour, par M. L. Pasteur . . . Paris, Gauthier-Villars, successeur de Mallet-Bachelier, 1870.

Agr 4—3581

2 v. front. (v. 1) illus., plates (partly col.) 23<sup>cm</sup>.

CONTENTS.—tome I. La pébrine et la flacherie.—tome II. Notes et documents.

**Quatrefages de Bréau, Jean Louis Armand de.** Études sur les maladies actuelles du ver à soie, par A. de Quatrefages . . . Paris, V. Masson, 1859.

Agr 4—336

1 p. l., 382, [2], vii p. vi col. pl. 27<sup>cm</sup>.

**Quatrefage de Bréau, Jean Louis Armand de.** Nouvelles recherches faites en 1859 sur les maladies actuelles du ver à soie, par A. de Quatrefages . . . Paris, V. Masson, 1860.

Agr 4—337

2 p. l., 120 p. 26½<sup>cm</sup>.

**Robert, Eugène.** . . . Observations sur la muscardine. [Paris, 188—]

23 p. 24½<sup>cm</sup>.

Agr 4—3597

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**Sirand.** Étude sur la maladie des vers à soie et pratique du grainage suivant le procédé Pasteur. [Grenoble, Impr. de Prudhomme, 1868]

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Agr 4—3621

32 p. 19<sup>cm</sup>.

Mémoire lu et approuvé à l'Académie royale d'agriculture de Turin dans la séance du 5 décembre 1882.

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[3]—23 p. iii fold. col. pl. 23½<sup>cm</sup>.

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Agr 5—61

11 p. pl. 23<sup>cm</sup>. (R. Stazione bacologica sperimentale . . . XIII)

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Agr 4—348

44 p. 26½<sup>cm</sup>. (Station séricicole de Montpellier. Mémoires et documents sur la sériciculture [1. sér., 1. fasc.])

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**Annuaire du commerce des soies & soieries de France et de l'étranger**, 1889. 12°. Lyon, 1889.

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**Distant, William Lucas.** *Insecta transvaaliensia*; a contribution to a knowledge of the entomology of South Africa. By W. L. Distant . . . assisted by many specialists. London, West, Newman & co., 1900-1904.  
pt. I-VI. illus., xv pl. (partly col.) 32½cm.

**Distant, William Lucas.** . . . On some South-African insects. . . . [London] 1899.

[178]-180 p. 21½cm.

From the *Annals and magazine of natural history*, ser. 7; vol III, February, 1899.

**Guérin-Ménéville, Félix Édouard.** . . . *Insectes*. Paris, A. Bertrand [1849] cover-title, 1 p. l., [243]-398 p. 24½cm.

From *Voyage en Abyssinie exécuté pendant les années 1839-43 par une commission scientifique composée de MM. Théophile Lefebvre . . . A. Petit et Martin Dillon . . . 4 ptie. Histoire naturelle—Zoologie . . . Tome 6.*

**[Klug, Johann Christoph Friedrich]** [*Symbolæ physicae, seu Icones et descriptiones insectorum quæ ex itinere per Africam borealam et Asiam occidentalem F. G. Hemprich et C. G. Ehrenberg studio novæ aut illustratæ redierunt. Percensuit . . . P. Klug*] [Berolini, ex officina academica, 1829-45]

unp. 50 col. pl. 49cm.

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Title-page wanting.

From C. G. Ehrenberg's *Symbolæ physicae, seu Icones et descriptiones corporum naturalium novorum aut minus cognitorum . . . Pars zoologica I.* 1828-45.

**Kolbe, Hermann Julius.** . . . *Beiträge zur zoogeographie Westafricas nebst einem bericht über die während der Loango-expedition von Herrn Dr. Falkenstein bei Chinchoxo gesammelten Coleoptera, von Hermann Julius Kolbe . . . Mit 3 tafeln nr. XIV-XVI. Eingegangen bei der Akademie am 9. januar 1884. Halle, 1887.*

212 p. 3 col. pl. 32½cm. (*Nova acta der Ksl. Leop.-Carol. deutschen akademie der naturforscher. Bd. L, nr. 3*)

"Verzeichniss der für diese arbeit benutzten litteratur": p. 208-210.

**Macleay, William Sharp.** *Illustrations of the Annulosa of South Africa, being a portion of the objects of natural history chiefly collected during an expedition into the interior of South Africa, under the direction of Dr. Andrew Smith, in the years 1834, 1835, and 1836; fitted out by "The Cape of Good Hope association for exploring central Africa."* By W. S. Macleay . . . Published under the authority of the Lords commissioners of Her Majesty's treasury. London, Smith, Elder and co., 1838.

3 p. l., 75 p. 4 col. pl. 32 × 26cm. (*Added t. p.: Illustrations of the zoology of South Africa. . . By Andrew Smith . . . Invertebratae.* 1849)

**Negreiros, Almada.** Sur les arthropodes du Mozambique et de San Thomé offerts au Muséum . . . [Paris] 1901.

4 p. 23 $\frac{1}{2}$ cm.

Extrait du Bulletin du Muséum d'histoire naturelle. —1901, n° 1, p. 12.

**Palisot de Beauvois, Ambroise Marie François Joseph.** Insectes recueillis en Afrique et en Amérique, dans les royaumes d'Oware et de Benin, à Saint-Domingue et dans les États-Unis, pendant les années 1786-1797; par A.-M.-F.-J. Palisot de Beauvois . . . Paris, Impr. de Fain et compagnie [etc.] 1805.

2 p. l., xvi, 276 p. col. plates. 39cm.

Date of publication given by Hagen and others as 1805-21.

**Riley, Charles Valentine.** . . . Scientific results of the U. S. eclipse expedition to West Africa, 1889-'90. Report on the Insecta, Arachnida, and Myriapoda . . . Washington, 1893.

cover title, 565-590 p. illus., pl. 24 $\frac{1}{2}$ cm.

From the Proceedings of the United States national museum, vol. xvi, p. 565-590 . . . (No. 951.)

**Thomson, James.** Voyage au Gabon. Histoire naturelle des insectes et des arachnides recueillis pendant un voyage fait au Gabon en 1856 et en 1857 par M. Henry C. Deyrolle sous les auspices de MM. le comte de Mnischez et James Thomson, précédée de l'histoire du voyage par M. James Thomson . . . Arachnides, par M. H. Lucas . . . [Paris, Au bureau du trésorier de la Société entomologique de France, 1858]

469, [2] p. xiv col. pl. 27cm. (Added t.-p.: Archives entomologiques . . . par M. James Thomson. t. 2)

CONTENTS.—Histoire du voyage [par M. James Thomson]—Ordre coléoptères [par M. James Thomson]—Supplément aux coléoptères, par M. A. Chevrolat.—Ordre orthoptères, par M. Léon Fairmaire.—Ordre névroptères, par M. Léon Fairmaire.—Ordre hyménoptères, par M. Léon Fairmaire.—Ordre hémiptères, par MM. Léon Fairmaire et Signoret.—Lepidopteridæ [par M. James Thomson]—Diptères, par M. J. Bigot.—Aptères [par M. H. Lucas]

**Westwood, John Obadiah.** Matabele land and the Victoria Falls from the letters and journals of the late Frank Oates, F. R. G. S. Appendix iv. Entomology by J. O. Westwood. London, C. K. Paul & co., 1882.

1 p. l., [331]-365 p. 4 pl. (3 col.) fold. map. 22 $\frac{1}{2}$ cm.

**Wollaston, Thomas Vernon.** Insecta maderensia; being an account of the islands of the Madeiran group. By T. Vernon Wollaston . . . London, J. Van Voorst, 1854.

xliii, 634 p. xiii col. pl. 32 $\frac{1}{2}$ cm.

**Wulfen, Franz Xaver.** Xaverii Wulfen Descriptiones quorundam Capensium insectorum. Erlangæ, Sumtu W. Waltheri, 1786.

xl p. ii pl. 27cm.

## AMERICA.

**Ashmead, William Harris, ed.** Reports upon the insects, spiders, mites, and myriapods collected by Dr. L. Stejneger and Mr. G. E. H. Barrett-Hamilton on the Commander Islands. Ed. by William H. Ashmead . . . Washington, Govt. print. off., 1899.

cover-title, 328-351 p. pl. 28cm.

Extracted from The fur seals and fur-seal islands of the North Pacific ocean, pt. iv, pp. 328-351.

CONTENTS.—Coleoptera. By Martin L. Linell and E. A. Schwarz.—Lepidoptera. By H. G. Dyar.—Hymenoptera and Rhynchota. By William H. Ashmead.—Diptera and Siphonaptera. By D. W. Coquillett.—Plecoptera, Trichoptera, and Arachnida. By Nathan Banks.—Myriapoda. By Prof. O. F. Cook.

**Bethune, Charles James Stewart** . . . The rise and progress of entomology in Canada . . . [Toronto, 1898]

cover-title, 155-165. 25cm.

From the Transactions of the Royal society of Canada. 2d series—1898-99. vol iv. section iv.

**Blanchard, Émile, i. e., Charles Émile.** Insectes de l'Amérique méridionale, recueillis par Alcide d'Orbigny, et décrits par Émile Blanchard . . . et Auguste Brullé . . . [Paris, P. Bertrand; Strasbourg, V<sup>e</sup> Levrault, 1837-43]

4 p. l., 222 p. 32 col. pl. 36<sup>cm</sup>. (*Added t.-p.*: Voyage dans l'Amérique méridionale . . . exécuté pendant les années 1826, 1827, 1828, 1829, 1830, 1831, 1832 et 1833, par Alcide d'Orbigny . . . tome 6. 2. pte: Insectes)

**[Brodie, William]** Check list of insects of the Dominion of Canada. Compiled by the Natural history society of Toronto . . . July 1883. Toronto, Printed by C. B. Robinson, 1883.

iv, 67 p. 21½<sup>cm</sup>.

Preface signed by W. Brodie and J. E. White.

**Cockerell, Theodore Dru Alison.** . . . Contributions to the entomology of New Mexico . . . Davenport, Iowa, 1898.

cover-title, 139-156 p. 24½<sup>cm</sup>.

Reprinted from vol. VII, Proceedings of the Davenport academy of natural sciences, Davenport, Iowa.

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**Cockerell, Theodore Dru Alison.** . . . New and little-known insects from New Mexico . . . [London, 1901]

[333]-337 p. 22½<sup>cm</sup>.

From the Annals and magazine of natural history, ser. 7, vol. VII, April 1901.

**Cockerell, Theodore Dru Alison.** On some insects in the state of Chihuahua, Mexico . . . [London, 1895]

[204]-210 p. 22<sup>cm</sup>.

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**Davis, B. M.** Some common insects of southern California, with references to literature . . . [San Diego?, 1904]

[8] p. 23½<sup>cm</sup>.

From Proceedings of the Southern California teachers' association for 1904.

**Gundlach, Juan.** Contribución á la entomología cubana, por el Dr. Juan Gundlach . . . Habana, Imp. "La Antilla," de Cacho-Negrete, 1881-91.

3 v. 23½<sup>cm</sup>.

**Harriman Alaska Expedition.** . . . Insects . . . New York, Doubleday, Page & company, 1904.

2 v. fronts. (v. 1, col.) illus., 19 pl. 26<sup>cm</sup>. (Harriman Alaska expedition with cooperation of Washington academy of sciences. Alaska. vol. VIII-IX)

**Harrington, W. Hague.** Extra limital insects found at Ottawa . . . [Ottawa], 1899.

1 p. l., [117]-125 p. 22<sup>cm</sup>.

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**Hart, Charles Arthur.** I. On the entomology of the Illinois river and adjacent waters. By C. A. Hart. II. Description of three new parasitic Hymenoptera from the Illinois river. By Wm. H. Ashmead. Springfield, Ill., H. W. Rokker, printer and binder, 1895.

iv, [149]-284 p. xv pl. 22½<sup>cm</sup>. (*On cover*: Bulletin of the Illinois state laboratory of natural history . . . vol. IV. art. VI-VII).

**Howard, Leland Ossian.** . . . Annotated catalogue of the insects collected in 1887-88. Washington, 1889.

185-216 p. 24½<sup>cm</sup> (Scientific results of explorations by the U. S. Fish commission steamer Albatross. v)

From the Proceedings of the United States national museum, vol. XII, p. 185-216. [No. 771.]

**Howard, Leland Ossian.** A list of the invertebrate fauna of South Carolina. By L. O. Howard. Charleston, S. C., Walker, Evans & Cogswell, printers [1882]

47 p. 25<sup>cm</sup>.

This article forms chapter XI of a "Hand book of the state of South Carolina," published by the state.

"List of works:" p. 2-3; also a short list: p. 47.



**Jaeger, Benedict.** The life of North American insects; illustrated by numerous colored engravings and narratives. By Prof. B. Jaeger, assisted by H. C. Preston, M. D. Published for the author. Providence, Sayles, Miller and Simons, printers, 1854.

iv, 204 p. front. (port.) vi col. pl. 23<sup>cm</sup>.

"Life of Sir Hans Sloane:" p. 1-16.

**Jones, William.** Observations on the insects of Jamaica . . . [Kingston, Jamaica, 1894]

368-372 p. 25<sup>cm</sup>.

From the Journal of the Institute of Jamaica, vol. 1.

**Kirby, William.** Fauna boreali-americana. Part the fourth and last. The insects. By the Rev. William Kirby . . . [Norwich, J. Fletcher, 1837]

xxxix, 325, [1] p., 1 l. viii pl. 26<sup>3</sup>/<sub>4</sub><sup>cm</sup>. (Fauna boreali-americana; or The zoology of the northern parts of British America . . . by John Richardson . . . assisted by William Swainson . . . and the Reverend William Kirby . . . [pt. 4])

"List of authors referred to in this volume in addition to those referred to in the preceding volumes;" p. [xxix]-xxxix.

**Klug, Johann Christoph Friedrich.** Entomologiæ brasilianæ specimen. Dedit Dr. Fr. Klug . . . [Halle, 1821]

1 p. l., [279]-324 p. xxi-xxiii col. pl. 27<sup>3</sup>/<sub>4</sub><sup>cm</sup>.

From Nova acta Acad. Caes. Leopold.-Carol. Germ. nat. cur. vol. x.

— Entomologiæ brasilianæ specimen alterum, sistens insectorum Coleopterorum nondum descriptorum centuriam. Scripsit Fridericus Klug . . . [Halle, 1825]

1 p. l., 421-476 p. xl-xliv col. pl. 27<sup>3</sup>/<sub>4</sub><sup>cm</sup>.

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**Latreille, Pierre André.** . . . Insectes de l'Amérique équinoxiale, recueillis pendant le voyage de MM. de Humboldt et Bonpland, et décrits par M. Latreille. [Paris, 1805?-11]

2 pts. col. plates. 36<sup>cm</sup>.

From Humboldt and Bonpland's Voyage dans l'intérieur de l'Amérique méridionale dans les années 1799-1804. 2. ptie. Recueil d'observations de zoologie et d'anatomie comparée. 1. vol., p. 127-252, 9-64, pl. xv-xviii, xxii-xxv, xxxi-xxxiv.

Another copy contains pl. xix-xxi, designed to accompany Latreille's Des abeilles (p. 260-297 of same vol. of Humboldt and Bonpland) but Library does not possess the text.

Library has also another (earlier?) ed. of pt. 1 of the Insectes with paging 197-283, 344-397 and pl. xv-xviii, xxii-xxv.

**Lucas, Hippolyte i. e. Pierre Hippolyte.** Animaux nouveaux ou rares recueillis pendant l'expédition dans les parties centrales de l'Amérique du Sud, de Rio de Janeiro à Lima, et de Lima au Para; exécutée par ordre du gouvernement français pendant les années 1843 à 1847, sous la direction du comte Francis de Castelnau. Ouvrage qui a obtenu une médaille hors ligne de la Société de géographie. Entomologie par M. H. Lucas . . . Paris, P. Bertrand, 1857.

2 p. l., 204 p. 20 col. pl. 32<sup>cm</sup>. (Cover-title: Expédition dans les parties centrales de l'Amérique du Sud . . . 7. ptie. Zoologie. Entomologie)

**Packard, Alpheus Spring.** . . . List of hymenopterous and lepidopterous insects collected by the Smithsonian expedition to South America, under Prof James Orton . . . [Salem, Mass., 1869]

56-69 p. 24<sup>cm</sup>.

From the First annual report of the trustees of the Peabody academy of science, January, 1869.

**Packard, Alpheus Spring.** List of the spiders, myriopods and insects of Labrador. [n. p., n. d.]

8 p. 23<sup>cm</sup>.

**Packard, Alpheus Spring.** Report on the insects collected on the Penobscot and Allequash Rivers, during August and September, 1861 . . . [Augusta, 1861]

[373]-376 p. 24<sup>cm</sup>.

From the Sixth Annual report of the Secretary of the Maine Board of agriculture 1861.

**Palisot de Beauvais, Ambroise Marie François Joseph.** Insectes recueillis en Afrique et en Amérique. *See under Africa*, p. 138.

**Perty, Maximilian.** Delectus animalium articulorum, quæ in itinere per Brasiliam annis MDCCCXVII-MDCCCXX jussu et auspiciis Maximiliani Josephi I. Bavarie regis augustissimi peracto collegerunt Dr. J. B. de Spix . . . et Dr. C. F. Ph. de Martius. Digessit, descripsit, pingenda curavit Dr. Maximilianus Perty . . . præfatus est et edidit Carol. Frideric Philip. de Martius . . . Accedit dissertatio de insectorum in America meridionali habitantium vitæ genere, moribus et distributione geographica. Monachii, Impensis editoris, 1830-34.

1 p. l., iii, 44, 224 p. 40 pl. 36 cm.

"Opera in descriptionibus citata:" p. [223]-224.

**Provancher, Léon.** Petite faune entomologique du Canada et particulièrement de la province de Québec . . . par l'Abbé L. Provancher . . . Québec, Typographie de C. Darveau, 1883.

v. 2. illus. 22 cm.

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CONTENTS.—Vol. II. Comprenant les orthoptères les névroptères et les hyménoptères.

— Additions et corrections au volume II de la Faune entomologique du Canada traitant des hyménoptères, par l'Abbé L. Provancher. Québec, Typographie de C. Darveau, 1889.

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475 p., 1 l. illus. 23 cm.

Pages 51-54, 377-392 lacking.

**Riley, Charles Valentine.** Entomology in Missouri . . . [Salem, 1874]

10 p. 24 cm.

From the American naturalist, vol. VIII, March and April, 1874.

**Riley, Charles Valentine.** . . . Report on a small collection of insects made during the Death Valley expedition, by C. V. Riley, PH. D. List of Diptera from Death Valley, California, and adjoining regions, by S. W. Williston, M. D. Hemiptera and Heteroptera of the Death Valley expedition, by P. R. Uhler . . . [Washington, 1893]

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At head of title: U. S. Department of Agriculture. Division of ornithology and mammology.

From North American fauna, no. 7, p. 235-268, May 31, 1893.

**Rivera, Manuel J.** Desarrollo i costumbres de algunos insectos de Chile, por Manuel J. Rivera . . . Santiago de Chile, Imprenta Cervantes, 1904.

pt. 1. illus. 25 cm.

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**Say, Thomas.** The complete writings of Thomas Say on the entomology of North America. Ed. by John L. Le Conte, M. D. With a memoir of the author, by George Ord . . . New York, Baillière brothers; London, H. Baillière, [etc., etc.] 1859.

2 v. 54 (i. e. 55) pl. (54 col.) 23 cm.

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**Scudder, Samuel Hubbard.** The distribution of insects in New Hampshire. A chapter from the first volume of the Final report upon the geology of New Hampshire. By Samuel H. Scudder . . . Concord, N. H., E. A. Jenks, state printer, 1874.

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**Scudder, Samuel Hubbard.** Remarks on some characteristics of the insect-fauna of the White Mountains, New Hampshire . . . [Boston, 1863]

612-631 p. xiv-xv pl. 23 cm.

From the Boston journal of natural history, vol. VII.

**Smith, John Bernhard.** Catalogue of insects found in New Jersey . . . Trenton, N. J., Printed by the J. L. Murphy publishing co., 1890.

Agr 3-1151

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From the Final report of the state geologist, vol. II.

**Smith, John Bernhard.** . . . Insects of New Jersey; a list of the species occurring in New Jersey, with notes on those of economic importance, by John B. Smith . . . Printed as a supplement to the Twenty-seventh annual report of the State board of agriculture. Trenton, N. J., MacCrellish & Quigley, state printers, 1900.

2 p. l., 755 p. front., illus., plates, fold. maps. 23<sup>cm</sup>.

At head of title: State of New Jersey.

— . . . Insects of New Jersey, a supplemental index, giving popular names and the chief crops preyed upon by destructive species. By John B. Smith . . . Printed for the New Jersey state board of agriculture. To be used with the supplement to the 27th annual report (1899) entitled "Insects of New Jersey." Camden, N. J., S. Chew & sons, printers, 1901.

9 p. 23<sup>cm</sup>.

**Snow, Francis Huntington.** Lists of Lepidoptera and Coleoptera collected in New Mexico by the Kansas university scientific expeditions of 1881 and 1882. [Topeka, 1883]

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From the Transactions of the Kansas academy of science, 1881-82, vol. VIII.

**Townsend, Charles Henry Tyler.** Insects in popular dread in New Mexico . . . [New York, 1892]

[1] p. 30<sup>cm</sup>.

From Science, June 17, 1892.

**Uhler, Philip Reese.** . . . Report upon the insects collected by P. R. Uhler during the explorations of 1875, including monographs of the families Cydnidæ and Saldæ, and the Hemiptera collected by A. S. Packard, jr., M. D. . . . Washington, 1877.

[355]-475, 765-801 p. 27-28 pl. 23<sup>cm</sup>. (Department of the interior. United States geological and geographical survey. F. V. Hayden, U. S. geologist-in-charge)

Extracted from the Bulletin of the Survey, vol. III, no. 2, no. 4.

**Webster, Francis Marion.** Biological effects of civilization on the insect fauna of Ohio. [n. p., 1897?]

15 p. illus. 23½<sup>cm</sup>.

From the Fifth annual report of the Ohio state academy of science.

**Webster, Francis Marion.** Some insect immigrants in Ohio . . . New York, 1893.

[57]-59 p. illus. 29<sup>cm</sup>.

From Science, vol. XXI, no. 522, February 3, 1893.

**Wickham, Henry Frederick.** List of insects collected by Mr. Frank Russell, in the Northwest Territory, Canada . . . Iowa City, Iowa, 1898.

[1], 276-280 p. 24<sup>cm</sup>.

From Explorations in the far north by Frank Russell.

## ARCTIC REGIONS.

**Aurivillius, Per Olof Christopher.** Insektlifvet i arktiska länder . . . Stockholm, 1884.

1 p. l., 405-459 p. 25½<sup>cm</sup>.

Ur: "A. E. Nordenskiöld, Studier och forskningar föranledda af mina resor i höga norden."

**McLachlan, Robert.** . . . Report on the insecta (including Arachnida) collected by Captain Feilden and Mr. Hart between the parallels of 78° and 83° north latitude, during the recent Arctic expedition . . . [London, 1879]

98-122 p. 21½<sup>cm</sup>.

Extracted from the Linnean society's Journal—Zoology, vol. XIV.

**Packard, Alpheus Spring.** Explorations of the Polaris expedition to the North Pole. [Boston, 1877]

2 p. 22<sup>cm</sup>.

From the American naturalist, January, 1877, vol. XI, p. 51-53.



## ASIA.

**Donovan, Edward.** Natural history of the insects of China, containing upwards of two hundred and twenty figures and descriptions, by E. Donovan . . . A new ed. brought down to the present state of the science, with systematic characters of each species, synonyms, indexes, and other additional matter, by J. O. Westwood . . . London, H. G. Bohn, 1842.

Agr 3—1248

3 p. l., 96 p. 50 col. pl. 31<sup>cm</sup>.

**Donovan, Edward.** Natural history of the insects of India, containing upwards of two hundred and twenty figures and descriptions, by E. Donovan . . . A new ed. brought down to the present state of the science, with systematic characters of each species, synonyms, indexes, and other additional matter, by J. O. Westwood . . . London, H. G. Bohn, 1842.

Agr 3—1249

vi, 102 p. LVIII col. pl. 31<sup>cm</sup>.

**Kirby, William Forsell.** . . . Notes on some insects from Yang-tse-Kiang . . . [London] 1900.

[380]—382 p. 22<sup>cm</sup>.

From the Annals and magazine of natural history, ser. 7, vol. VI, October 1900.

**Klug, Johann Christoph Friedrich.** Symbolæ physicae. *See under* Fauna. Africa, p. 137.

**Linell, Martin Lawson.** . . . On the insects collected by Dr. Abbott on the Seychelles, Aldabra, Glorioso, and Providence Islands, with descriptions of nine new species of Coleoptera . . . Washington, 1897.

cover-title, 695–706 p. 24½<sup>cm</sup>.

From the Proceedings of the United States national museum, vol. XIX, pages 695–706. &lt;no. 1119&gt;

**Westwood, John Obadiah.** The cabinet of oriental entomology; being a selection of some of the rarer and more beautiful species of insects, natives of India and the adjacent islands, the greater portion of which are now for the first time described and figured. By J. O. Westwood . . . London, William Smith, 1848.

1 p. l., 2, 88 p. 42 col. pl. 30<sup>cm</sup>.

**Zincken, Julius Leopold Theodor Friedrich, called Sommer.** . . . Beitrag zur insecten-fauna von Java. Erste abtheilung, mit den figuren 1. bis. 19. Tab. XIV, XV, XVI. [n. p., 1831]

[129]—194 p. 3 col. pl. 28½<sup>cm</sup>.

At head of title: Dr. Jul. Leop. Theod. Friedr. Zinken genannt Sommer.

From Nova acta Acad. natur. curios. 1831. vol. XV, p. I.

## AUSTRALASIA.

**Erichson, Wilhelm Friedrich.** Beitrag zur insecten-fauna von Vandiemensland, mit besonderer berücksichtigung der geographischen verbreitung der insecten, vom herausgeber . . . [Berlin, 1842]

83–288 p. iv–v pl. 21½<sup>cm</sup>.

Caption title.

From Archiv für naturgeschichte. jahrg. VIII, bd. 1.

**Hudson, George Vernon.** An elementary manual of New Zealand entomology. Being an introduction to the study of our native insects. By G. V. Hudson . . . London, West, Newman, & co., 1892.

4 p. l., 128 p., 20 l. col. front., XX col. pl. 22½<sup>cm</sup>.

**Hutton, Frederick Wollaston.** . . . Catalogues of the New Zealand Diptera, Orthoptera, Hymenoptera; with descriptions of the species. By Frederick Wollaston Hutton. . . . Wellington, New Zealand, G. Didsbury, government printer, 1881.

x, 132 p. illus. 24½<sup>cm</sup>.

At head of title: Colonial museum and geological survey of New Zealand.

**Montrouzier, A.** Essai sur la faune de l'Île de Woodlark ou Moïou, par le P. Montrouzier . . . Lyon, F. Dumoulin, 1857.

2 p. l., 226, 7 p. 26<sup>cm</sup>.

**Rainbow, William Joseph.** The Insecta and Arachnida of the county of Cumberland . . . [Melbourne, etc., 1898.]

[143]—150 p. 16<sup>cm</sup>.

"Reprinted from Handbook of Sydney and the county of Cumberland. For the . . . Australasian association for the advancement of science."

**Tepper, J. Gottlieb Otto.** Common native insects of South Australia. A popular guide to South Australian entomology. By J. G. O. Tepper . . . Adelaide, E. S. Wigg & son, 1890.

pt. II. 20½ x 16½ <sup>cm</sup>.

pt. II first published in Garden and field, vol. XII-XIII.

CONTENTS.—pt. II Lepidoptera, or Butterflies and moths. 1890.

**White, Adam.** . . . Insects. By Adam White . . . and Arthur Gardiner Butler . . . London, E. W. Janson, 1846—1874.

1 p. l. 51 p. 10 pl. 31<sup>cm</sup>. (The zoology of the voyage of H. M. S. Erebus & Terror . . . Ed. by John Richardson . . . and John Edward Gray . . . )

### EUROPE.

**Albin, Eleazar.** A natural history of English insects. Illustrated with a hundred copper plates curiously engraven from the life: and (for those who desire it) exactly coloured by the author, Eleazar Albin, painter. London, Printed for the author, and sold by W. and J. Innys, 1720.

6 p. l., 100 l. 100 col. pl. 28½ <sup>cm</sup>.

**Cederhjelm, Johann.** Faunæ ingricæ prodromus exhibens methodicam descriptionem insectorum agri petropolensis præmissa mammalium, avium, amphibiorum et piscium enumeratione. Auctore Johanne Cederhielm . . . Lipsiæ, Impensis I. F. Hartknoch, 1798.

xviii, [2], 348 p. III col. pl. 22½ <sup>cm</sup>.

**Cirillo, Domenico.** . . . Entomologiæ neapolitanæ specimen primum. Neapoli, 1787.

15 l. XII col. pl. 47<sup>cm</sup>.

Engr. t. p. & engr. dedication.

At head of title: "Dominici Cyrilli" . . .

**Curtis, John.** British entomology; being illustrations and descriptions of the genera of insects found in Great Britain and Ireland: containing coloured figures from nature of the most rare and beautiful species and in many instances of the plants upon which they are found. By John Curtis . . . London, Printed for the author, 1824—39.

16 v. 769 (*i. e.* 770) col. pl. 26<sup>cm</sup>.

**Curtis, John.** A guide to an arrangement of British insects; being a catalogue of all the named species hitherto discovered in Great Britain and Ireland. By John Curtis . . . London, Printed for the author, 1829.

Agr 3—1778

vi p., 256 col., [1] p. 21½ <sup>cm</sup>.

**Donovan, Edward.** The natural history of British insects; explaining them in their several states, with the periods of their transformations, their food, æconomy, &c. together with the history of such minute insects as require investigation by the microscope. The whole illustrated by coloured figures, designed and executed from living specimens. By E. Donovan. London, Printed for the author, and for F. & C. Rivington, 1792—1813.

Agr 3—1131

16 v. DLXXVI col. pl. 24<sup>cm</sup>.

Vol. 2—16, Printed for the author, and for F. C. and J. Rivington.

**Duftschnid, Kaspar.** Fauna Austriæ, oder Beschreibung der österreichischen insecten für angehende freunde der entomologie Von Kaspar Duftschnid . . . Linz und Leipzig, Im verlag der K. K. Priv. Akademischen kunst-, musik-, und buchhandlung, 1805—25.

Agr 5—144

3 v. 13<sup>cm</sup>.

**Förster, Arnold.** Der Lousberg bei Aachen, eine naturhistorische skizze . . . [Aachen, 1871]

[3]-50 p. 25 x 20<sup>cm</sup>.

From Programm der Realschule erster ordnung zu Aachen, für das schuljahr 1870/71.

**Fourcroy, Antoine François de.** Entomologia Parisiensis, sive Catalogus insectorum quæ in agro parisiensi reperiuntur; secundum methodum Geoffræanum in sectiones, genera & species distributus: cui addita sunt nomina trivalia & fere trecentæ novæ species. Edente A. F. de Fourcroy . . . Parisiis, 1785.

2 v. in 1. 14½<sup>cm</sup>.

Paged continuously; pt. 1: vii, [1], 231 p.; pt. 2: [233]-544 p.

**Frisch, Johann Leonhard.** . . . Beschreibung von allerley insecten in Teutschland, nebst nützlichen anmerckungen und nöthigen abbildungen von diesem kriechenden und fliegenden inländischen gewürme, zur bestâtigung und fortsetzung der gründlichen entdeckung, so einige von der natur dieser creaturen hrsg., und zur ergänzung und verbesserung der andern . . . Berlin, C. G. Nicolai, 1721-38.

13 pts. in 1 v. illus., plates (partly fold.) 21<sup>cm</sup>.

At head of title: Joh. Leonhard Frisch.

1 th. is [Ed. 2].

**[Geoffroy, Étienne Louis]** Histoire abrégée des insectes qui se trouvent aux environs de Paris; dans laquelle ces animaux sont rangés suivant un ordre méthodique . . . Paris, Durand, 1762.

2 v. xxii pl., fold. tab. 26<sup>cm</sup>.

**Harris, Moses.** Exposition of English insects including the several classes of Neuroptera, Hymenoptera, & Diptera, or bees, flies, & Libellulæ. Exhibiting on 51 copper plates near 500 figures, accurately drawn, & highly finished in colours, from nature. The whole minutely described, arranged, & named, according to the Linnean system, with remarks. The figures of a great number of moths, not in the Aurelian collection, formerly published by the same author, and a plate with an explanation of colours, are likewise given in the work. By Moses Harris. London, Sold by Mr. White & Mr. Robson, 1782.

2 p. l., viii, [9]-166, [4] p. 52 pl. (51 col.) 30<sup>cm</sup>.

Engr. t.-p.

Added title: Exposition des insectes qui se trouvent en Angleterre . . . par Moyse Harris. Londres, Chez B. White et J. Edwards, 1786.

Text in English and French.

**Heeger, Ernst.** Beiträge zur naturgeschichte der insecten. Als beiträge zur fauna Oesterreichs . . . Von Ernst Heeger . . . [Wien, 1851] Agr 3-1060-1077

1 p. l., 33 p. xi (i. e. 12) pl. 23<sup>cm</sup>.

Aus dem juni-u. juli-hefte des jahrganges 1851 der Sitzungsberichte der math.-naturw. classe der Kais. Akademie der wissenschaften besonders abgedruckt.

— Beiträge zur naturgeschichte der physopoden (blasenfüsse). Von Ernst Heeger . . . [Wien, 1852] Agr 3-1060-77

20 p. x fold. pl. 23<sup>cm</sup>

Aus dem jahrgange 1852 der Sitzungsberichte der math.-naturw. classe der Kais. Akademie der wissenschaften <viii. bd.> besonders abgedruckt.

— Beiträge zur naturgeschichte der insecten. Von Ernst Heeger . . . [Wien, 1852] Agr 3-1060-77

26 p. xii-xvi pl. 23<sup>cm</sup>.

Aus dem juli-hefte des jahrganges 1852 der Sitzungsberichte der mathem.-naturw. classe der Kais. Akademie der wissenschaften <ix. bd., s. 263> besonders abgedruckt.

— Beiträge zur insecten-fauna Österreichs. Von Ernst Heeger. (5. fortsetzung . . .) [Wien, 1852] Agr 3-1060-77

20 p. xvii-xxi pl. (3 fold.) 25<sup>cm</sup>.

Aus dem octoberhefte des jahrganges 1852 der Sitzungsberichte der mathem.-naturw. classe der Kais. Akademie der wissenschaften <ix. bd., s. 473> besonders abgedruckt.



- Beiträge zur naturgeschichte der insecten. Von Ernst Heeger . . . [Wien, 1852] Agr 3—1060-77  
 11 p. iv pl. 23<sup>cm</sup>.  
 Aus dem novemberhefte des jahrganges 1852 der Sitzungsberichte der mathem.-naturw. classe der Kais. Akademie der wissenschaften <bd. IX, s. 774> besonders abgedruckt.
- — [Wien, 1853] Agr 3—1060-77  
 23 p. vi pl. 23<sup>cm</sup>.  
 Aus dem jännerhefte des jahrganges 1853 der Sitzungsberichte der mathem.-naturw. classe der Kais. Akademie der wissenschaften <x. bd., s. 7> besonders abgedruckt.
- — [Wien, 1853] Agr 3—1060-77  
 20 p. vi pl. 23<sup>cm</sup>.  
 Aus dem februarhefte des jahrganges 1853 der Sitzungsberichte der mathem.-naturw. classe der Kais. Akademie der wissenschaften <x. bd., s. 161> besonders abgedruckt.
- — [Wien, 1853] Agr 3—1060-77  
 24 p. vi pl. 23<sup>cm</sup>.  
 Aus dem aprilhefte des jahrganges 1853 der Sitzungsberichte der mathem.-naturw. classe der Kais. Akademie der wissenschaften <x. bd., s. 460> besonders abgedruckt.
- — [Wien, 1853] Agr 3—1060-77  
 24 p. vi pl. 23<sup>cm</sup>.  
 Aus dem junihefte des jahrganges 1853 der Sitzungsberichte der mathem.-naturw. classe der Kais. Akademie der wissenschaften <xI. bd., s. 24> besonders abgedruckt.
- — [Wien, 1853] Agr 3—1060-77  
 18 p. vi pl. 23<sup>cm</sup>.  
 Aus dem decemberhefte des jahrganges 1853 der Sitzungsberichte der mathem.-naturw. classe der Kais. Akademie der wissenschaften <bd. XI, s. 927> besonders abgedruckt.
- — [Wien, 1854] Agr 3—1060-77  
 16 p. v pl. 23<sup>cm</sup>.  
 Aus dem oktoberhefte des jahrganges 1854 der Sitzungsberichte der mathem.-naturw. classe der Kais. Akademie der wissenschaften <bd. XIV, s. 28> besonders abgedruckt.
- — [Wien, 1854] Agr 3—1060-77  
 13 p. iv pl. 23<sup>cm</sup>.  
 Aus dem novemberhefte des jahrganges 1854 der Sitzungsberichte der mathem.-naturw. classe der Kais. Akademie der wissenschaften <bd. XIV, s. 273> besonders abgedruckt.
- Beiträge zur naturgeschichte der insecten Österreichs. Von Ernst Heeger. [Wien, 1854] Agr 3—1060-77  
 11 p. II fold. pl. 23<sup>cm</sup>.  
 Aus dem decemberhefte des jahrganges 1854 der Sitzungsberichte der mathem.-naturw. classe der Kais. Akademie der wissenschaften <bd. XIV, s. 365> besonders abgedruckt.
- Beiträge zur naturgeschichte der insecten. Von Ernst Heeger. (15. folge . . .) [Wien, 1855] Agr 3—1060-77  
 17 p. iv pl. 24½<sup>cm</sup>.  
 Aus dem novemberhefte des jahrganges 1855 der Sitzungsberichte der mathem.-naturw. classe der Kais. Akademie der wissenschaften <bd. XVIII, s. 33> besonders abgedruckt.
- — (16. fortsetzung) Wien, Aus der Kais.- Kön. Hof- und staatsdruckerei, 1857. Agr 3—1060-77  
 22 p. vi pl. 24½<sup>cm</sup>.  
 Aus dem aprilhefte des jahrganges 1857 der Sitzungsberichte der mathem.-naturw. classe der Kais. Akademie der wissenschaften <bd. XXIV, s. 315> besonders abgedruckt.
- — (17. fortsetzung) . . . (Vorgelegt in der sitzung vom 17. december 1857) [Wien, 1858] Agr 3—1060-77  
 100-120 p. vi pl. 24½<sup>cm</sup>.  
 Sitzungsberichte der Kaiserlichen Akademie der wissenschaften. Mathematisch-naturwissenschaftliche classe. XXIX. bd. Sitzung vom 18. märz 1858, no. 8.
- — 13. [!] fortsetzung . . . (Vorgelegt in der sitzung vom 11. november 1858) [Wien, 1859] Agr 3—1060-77  
 212-226 p. v pl. 24½<sup>cm</sup>.  
 Sitzungsbd. d. K. Akad. d. w. math.-naturw. cl., xxxiv bd., no. 3, 1859.
- — (19. fortsetzung) . . . (Vorgelegt in der sitzung am 7. mai 1866) [Wien, 1866] Agr 3—1060-77  
 533-542 p. iv pl. 24½<sup>cm</sup>.  
 Sitzungsbd. d. k. Akad. d. w. math. naturw. cl., LIII. bd., I. abth, 1866.

**Labram, J. David.** Insekten der Schweiz, die vorzüglichsten gattungen je durch eine art bildlich dargestellt von J. D. Labram. Nach anleitung und text von Dr. Ludwig Imhoff . . . Basel, Bei den verfassern, 1836-[45] Agr 5—289  
5 v. in 6. col. plates. 17½cm.  
Issued in 100 pts., 1835-45.

[**Mueller, Otto Friedrich**] Fauna insectorum fridrichsdalina, sive Methodica descriptio insectorum agri fridrichsdalensis, cum characteribus genericis et specificis, nominibus trivialibus, locis natalibus, iconibus allegatis, novisque pluribus speciebus additis. Hafniae et Lipsiae, in officina libraria I. F. Gleditschii, 1764. Agr 3—195  
xxiv, 96 p. 20cm.

**Olivier, Ernest.** Faune de l'Allier, ou Catalogue raisonné des animaux sauvages observés jusqu'à ce jour dans ce département . . . Moulins, 1883-[99]  
v. 2, pt. 1; 3, fasc. 2. 22-23cm.  
Slip pasted over date of v. 2, pt. 1, reads 1890.  
CONTENTS.—Vol. II. Annelés. 1. ptie. Coléoptères.—Tome III, fasc. 2. Hémiptères hétéroptères.

**Pallas, Peter Simon.** Icones insectorum praesertim Rossiae Sibiriaeque peculiarium quae collegit et descriptionibus illustravit Petrus Simon Pallas . . . Erlangae, sumtu W. Waltheri, 1781.  
4 p. l., 104 p. 8 col. pl. 28cm.

**Patterson, Robert.** Letters on the natural history of the insects mentioned in Shakspeare's plays. See under Miscellaneous, p. 54.

**Paykull, Gustaf von.** Gustavi Paykull . . . Fauna suecica. Insecta . . . Upsaliae, litteris J. F. Edman [1798]—1800. Agr 4—3396  
3 v. in 2. 19cm.

**Rosenhauer, Wilhelm Gottlob.** Die thiere Andalusiens nach dem resultate einer reise zusammengestellt, nebst den beschreibungen von 249 neuen oder bis jetzt noch unbeschriebenen gattungen und arten. Von Wilhelm Gottlob Rosenhauer . . . Erlangen, T. Blasius, 1856. Agr 5—100  
viii, 429 p. iii pl. incl. front. 23cm.

**Rossi, Pietro.** Fauna etrusca, sistens insecta quae in provinciis florentina et pisana praesertim collegit Petrus Rossius . . . Helmstadii, C. G. Fleckeisen, 1795—1807.

2 v. 20 pl. (11 col., 9 fold.) 20½cm.  
Vol. 1 has title: Fauna etrusca, sistens insecta quae in provinciis florentina et pisana praesertim collegit Petrus Rossius . . . Tomus primus . . . Mantissae priore parte adiecta, iterum edita et annotatis perpetuis aucta a D. Joh. Christ. Lud. Hellwig . . .  
Vol. 2 has title: Fauna etrusca sistens insecta quae in provinciis florentina et pisana praesertim collegit Petrus Rossius . . . Tomus secundus . . . Iterum edita et annotatis perpetuis aucta a D. Carolo Illiger . . .

**Samouelle, George.** The entomological cabinet; being a natural history of British insects. With plates illustrative of the principal families and genera. 2d ed. By George Samouelle. . . London, G. Henderson, 1841. Agr 3—1150  
xvi, [326] p. col. plates. 15½cm.

**Samouelle, George.** The entomologist's useful compendium; or, An introduction to the knowledge of British insects, comprising the best means of obtaining and preserving them, and a description of the apparatus generally used; together with the genera of Linné, and the modern method of arranging the classes crustacea, myriapoda, spiders, mites and insects, from their affinities and structure, according to the views of Dr. Leach. . . . By George Samouelle . . . London, T. Boys, 1819.  
496 p. 12 pl. incl. front. 20cm.  
Authors quoted: p. [11]—15.

— — London, Longman, Hurst, Rees, Orme, Brown, and Green, 1824.  
1 p. l., 496 p. 12 pl. incl. front. 20cm.  
Authors quoted: p. [11]—15.

**Schaeffer, Jakob Christian.** D. Iacobi Christiani Schaefferi Icones insectorvm circa Ratisbonam indigenorvm coloribvs natvram referentibvs expressae . . . D. Iacob Christian Schäffers Natürlich ausgemahlte abbildungen regensburgischer insecten . . . Regensburg, Gedruckt bey H. G. Zunkel [1766-79] Agr 4-3423

3 v. front. (v. 1, port.) CCLXXX col. pl. 29<sup>cm</sup>.

Text in Latin and German.

Plates printed on both sides of the leaf.

[**Schellenberg, Johann Rudolf**] Helvetische entomologie; oder, Verzeichniss der schweizerischen insecten nach einer neuen methode geordnet. Mit beschreibungen und abbildungen. Zürich, Bei Orell, Füssli und compagne, 1798-1806.

2 v. 48 col. pl. 24½<sup>cm</sup>.

Agr 3-205

Engr. half-title.

Added t.-p. "Entomologie helvétique; ou, Catalogue des insectes de la Suisse." Text in German and French.

The translation of the text into French was done by J. de Clairville.

**Schøyen, Wilhelm Maribo.** Bidrag til kundskaben om norges hemipter- og orthopter-fauna, af W. M. Schøyen . . . Christiania, J. Dybwad, 1889.

13 p. 23½<sup>cm</sup>. (Christiania videnskabs-selskabs Forhandling 1889. no. 5)

**Scopoli, Johann Anton.** Ioannis Antonii Scopoli . . . Entomologia carniolica exhibens insecta carniolæ indigena et distributa in ordines, genera, species, varietates. Methodo Linnaëana. Vindobonae, Typis I. T. Trattner, 1763.

18 p. 1., 420 p., 2 l. 21<sup>cm</sup>.

**Sepp, Jan Christiaan.** Beschouwing der wonderen gods, in de minstgeachte schepzelen, of nederlandsche insecten, naar hunne aanmerkelyke huishouding, verwonderlyke gedaantewisseling en andere wetenswaardige byzonderheden, volgens eigen ondervinding beschreeven, naar 't leven naauwkeurig getekent, in 't koper gebracht en gekleurd, door Jan Christiaan Sepp . . . Amsterdam, By J. C. Sepp [1762-1860]

8 v. 400 col. pl. 26<sup>cm</sup>.

Agr 3-362

Col. engr. t.-p. added in each vol.

**Siebke, Johan Heinrich Spalckhauer.** Enumeratio insectorum norvegicorum. Fasciculus I-[IV] Auctore H. Siebke . . . Christiania, Trykt hos A. W. Brøgger, 1874-77.

Pt. I-IV. fold. map. 22½<sup>cm</sup>.

CONTENTS.—Fasciculus I. Catalogum Hemipterorum et Orthopterorum continens. Auctore H. Siebke. 1874.—Fasciculus II. Catalogum Coleopterorum continens. Auctore H. Siebke. 1875.—Fasciculus III. Catalogum Lepidopterorum continentem, auctore H. Siebke defuncto, edidit J. Sparre Schneider. 1876.—Fasciculus IV. Catalogum Dipterorum continentem, auctore H. Siebke defuncto, edidit J. Sparre Schneider. 1877.

— Supplement til H. Siebke's Enumeratio insectorum norvegicorum, fasc. IV, [fasc. v, pars I] af W. M. Schøyen . . . Christiania, J. Dybwad, 1887-89.

15 p. 24<sup>cm</sup>. (Christiania videnskabs-selskabs Forhandling 1887, no. 5, 1889, no. 12)

**Silvester, F. W.** . . . Report on insects observed in Hertfordshire during the year 1883 . . . [London, 1886]

[91]-94 p. 22<sup>cm</sup>.

From the Transactions of the Hertfordshire natural history society, vol. III, pt. 2, September, 1884.

**Silvester, F. W.** . . . Report on insects observed in Hertfordshire in 1888 . . . [London, 1890]

[134]-138 p. 21½<sup>cm</sup>.

From the Transactions of the Hertfordshire natural history society, vol. v, pt. 5, June, 1889.

**Spinola, Massimiliano.** Insectorum Liguriæ species novæ aut rariores, quas in agro ligustico nuper detexit, descripsit, et iconibus illustravit Maximilianus Spinola, adjecto catalogo specierum auctoribus jam enumeratarum, quæ in eadem regione passim occurrunt . . . Genuæ, sumptibus auctoris, 1806-08.

2 v. 7 pl., fold tab. 27<sup>cm</sup>.

Issued in 4 fascicles.



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**Cameron, Peter.** Descriptions of new genera and species of Hymenoptera from Dunbrody, Cape Colony . . . [Grahamstown, 1904]

[125]-176 pp. 24½<sup>cm</sup>.

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pt. vi-vii, ix. 2 pl. 22<sup>cm</sup>.

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**Cameron, Peter.** . . . Notes on a collection of Hymenoptera from Greymouth, New Zealand, with descriptions of new species . . . Manchester [Eng.] 1898.

53 p. 21½cm.

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[173]-185, [313]-331 p. 22 cm.

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**Costa, Achille.** Prospetto sistematico degli imenotteri italiani da servire di prodromo della imenotterologia italiana. [Napoli, 1867-94]

3 v. 7 col. pl. 27½cm. (v. 3, 26cm.)

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"Opere e memorie di entomologi italiani nelle quali trattasi di imenotteri della fauna italiana": [pte. I] p. [62] (1st ser. of pages)

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CONTENTS.—Parte 1. Sfigidei.—Parte 2. Pompilidei, dolichuridei, scoliidei, sapigidei, tifiidei e mutillidei. 1887.—Parte 3. Tentredinidei e siricidei. 1894.

**Dahlbom, Anders Gustav.** Dispositio methodica specierum scandinavicarum ad familias hymenopterorum naturales pertinentium, ab Andrea Gustavo Dahlbom . . . pt. I. *Sphex* in sensu Linnæano. Lundæ, Typis excudit C. F. Berling, 1842.

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Pages 1-16 are 25 × 20cm folded to size of book.

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6 pts. in 1 v. 19cm.

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**Dahlbom, Anders Gustav.** Hymenoptera europaea praecipue borealia, formis typicis nonnullis specierum generumve exoticorum propter nexum systematicum associatis, per familias, genera, species et varietates disposita atque descripta ab Andrea Gustavo Dahlbom . . . Berolini, Libraria F. Nicolai, 1845-54. Agr 5-512  
2 v. XII pl., fold. tables. 20<sup>cm</sup>.

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**Dominique, J.** Contributions au catalogue des hyménoptères fouisseurs chrysidés et vespides de la Loire-Inférieure . . . [Nantes] 1901.

[505]-511 p. 25<sup>cm</sup>.

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**Emery, Carlos.** . . . Estudios sobre las hormigas de Costa Rica. San José, Tipografía nacional, 1894.

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Nota:—Estas páginas fueron tiradas para los Anales del Museo nacional de 1888 á 1889.—El resto de los trabajos correspondientes á este tomo se publicó en los Anales del Instituto físico-geográfico.

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8 p. l., 271 p. 2 col. pl. 18<sup>cm</sup>. (Added t.p.: Kritische revision der insektenfaune Deutschlands nach dem system bearb. von Dr. Georg Wölg. Franz Panzer. I-c. hft. II. bändchen . . .)

**Panzer, Georg Wolfgang Franz.** Faunae insectorum germanicae initia oder Deutschlands insecten gesammelt und hrsg. von D. Georg Wolfgang Franz Panzer . . . Classis iv. Piezata. Nürnberg, In der Felseckerschen buchhandlung, 1801. 9 numbers.

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## FAMILIES.

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**Boas, Johan Erik Vesti.** Det store bladhvæpseangreb paa lærkene i almindingen 1839-47. [Kjøbenhavn] 1897.

[52]-64 p. 30<sup>cm</sup>.

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**Fallén, Karl Fredrik, præses.** Monographia tenthredinidum Sueciæ. Quorum descriptionem venia ampl. facult. philos. Acad. lund. præside Carol. Fred. Fallén . . . pro laurea publicæ disquisitioni subicit Sveno Ludov. Lovén . . . Londini Gothorum, ex officina Berlingiana, 1829. Agr 3-781

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135 p. illus., pl. 23cm. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, tech. ser., 3)

**Newport, George.** Observations on the anatomy, habits and economy of *Athalia centifolia*, the saw-fly of the turnip, and on the means which have been adopted for the prevention of its ravages. The prize essay of the Entomological society and Agricultural association of Saffron Walden, for the year 1837 . . . London, 1838.

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3 v. II pl., 2 fold. tab. 21 cm.

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**Holmgren, August Emil.** Ichneumonologia suecica, auctore Aug. Emil Holmgren. Holmiæ, ex officina Norstedtiana, 1864-89. Agr 3-786

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fasc. 1-11. 23<sup>cm</sup>.

CONTENTS.—Fasc. 1-11. Allgemeine eintheilung. Die gattungen der joppinen, ichneumoninen, listrodrominen, heresiarchinen, gyrodotinen und alomyinen. Bestimmungstabelle der paläarktischen arten der gattung Ichneumon.

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xi, 68 p. 45 col. pl. 32½<sup>cm</sup>.

Preface states that the author died before his work was completed and that only some 400 species were figured.

**Wesmael, Constantin.** . . . Tentamen dispositionis methodicæ Ichneumonum Belgii, auctore C. Wesmael . . . [Bruxelles] 1844. Agr 4—3627

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3 pts. 21<sup>cm</sup>.

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**Ashmead, William Harris.** A new genus and species of Proctotrypidæ. *See under Proctotrypidæ*, p. 167.

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**Cook, Albert John.** The black wheat stock Isosoma. *Isosoma nigrum* n. s. Rochester & New York, 1885.

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**Förster, Arnold.** Beiträge zur monographie der pteromalinen Nees. Von Arn. Foerster . . . i. heft. Aachen, J. A. Mayer, 1841.

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**Saussure, Henri de.** Étude sur la famille des vespides. 3. ptie. comprenant . . . un supplément à la monographie des euméniens. *See under* Masaridæ, p. 175.

**Saussure, Henri de.** Monographie des guêpes solitaires, ou de la tribu des euméniens, comprenant la classification et la description de toutes les espèces connues jusqu'à ce jour, et servant de complément au manuel de Lepeletier de Saint-Fargeau; par Henri de Saussure . . . Genève, J. Cherbuliez; [etc., etc.] 1852.

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7 p. 23½<sup>cm</sup>.

From Loudon's magazine of natural history, vol. 1, new series, p. 490–496.

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Contributions to the natural history of the bee.

Pt. 2 has sub-title: О полиморфизмѣ у пчелы и у другихъ насѣкомыхъ.

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**Erichson, Wilhelm Friedrich.** Coleoptera. Bearb. von Dr. W. Erichson. [Halle, 1834]

1 p. 1., [219]-308 p. xxxvii-xxxix col. pl. 27cm. (Beiträge zur zoologie, gesammelt auf einer reise um die erde, von Dr. F. J. F. Meyen . . . 6. abhandlung. Insekten. Bearb. von Herrn W. Erichson und Herrn H. Burmeister . . .)

Bei der Akademie eingegangen den 12. märz 1834.

Caption title.

From Nova acta Acad. Cæs. Leopold.-Carol. Germ. nat. cur., vol. xvi, Supplement I.

**Fabricius, Johann Christian.** Joh. Christ. Fabricii . . . Systema eleutheratorum secundum ordines, genera, species, adiectis synonymis, locis, observationibus, descriptionibus. Kiliae, impensis bibliopolii academici novi, 1801.

2 v. 22cm.

**Forbes, Stephen Alfred.** Notes on insectivorous Coleoptera . . . [n. p., n. d.] [153]-160 p. 23cm.

**Froggatt, Walter Wilson.** Some wood-boring beetles and their habits . . . Sydney, 1903.

414-417 p. pl. 25<sup>cm</sup>.

From the Agricultural gazette of New South Wales, vol. xiv, May, 1903.

**Gazagnaire, Joseph.** Organes de la gustation chez les coléoptères . . . Meulan, 1886.

3 p. 23<sup>cm</sup>.

Extrait des Procès-verbaux de la Société zoologique de France, t. xi, séance du 11 mai 1886.

**Gemminger, Max.** Catalogus coleopterorum hucusque descriptorum synonymicus et systematicus, autoribus Dr. Gemminger et B. de Harold . . . Monachii, sumptu E. H. Gummi; Paris, E. Deyrolle fils; 1868-76.

Agr 5-153

12 v. in 7. 24<sup>cm</sup>.

Paged continuously: tom. i, xxxvi, 424, [8] p.; tom. ii, 1 p. l., 425-752, [6] p.; tom. iii, 1 p. l., 753-978, [6] p.; tom. iv, 1 p. l., 979-1346, [8] p.; tom. v, 2 p. l., 1347-1608, [6] p.; tom. vi, 1 p. l., 1609-1800, [6] p.; tom. vii, 1 p. l., 1801-2179, [11] p.; tom. viii, 1 p. l., 2181-2668, [12] p.; tom. ix, 1 p. l., 2669-2988, [12] p.; tom. x, 1 p. l., 2989-3232, [8] p.; tom. xi, 3 p. l., 3233-3478 p.; tom. xii, 1 p. l., 3479-3822, [2], LXXXIII, [1] p.

Vol xii contains Index generum universalis.

**Germar, Ernst Friedrich.** Insectorum species novæ aut minus cognitæ, descriptionibus illustratæ, auctore E. F. Germar . . . vol. 1. Coleoptera . . . Halæ, impensis J. C. Hendelii et filii, 1824.

Agr 4-3538

xxiv, 623 p. ii pl. 20½<sup>cm</sup>. (Added title: Coleopterorum species novæ aut minus cognitæ)

**Glover, Townend.** The food and habits of beetles. (U. S. Agriculture, Commissioner of. Report . . . for the year 1868. Washington, 1869. p. 78-117. illus.)

**Griffini, Achille.** Il libro dei coleotteri di Achille Griffini. . . . Iconografia dei principali coleotteri italiani e delle più importanti specie europee affini. Preceduta da notizie generali sugli insetti e principalmente sui coleotteri nonchè da indicazioni sulla raccolta, la preparazione, la conservazione e lo studio di questi . . . Milano, U. Hoepli, 1896.

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“Pubblicazioni entomologiche dell' autore:” p. [243]-244

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88-162 p. 24<sup>cm</sup>.

From Transactions of the American entomological society, vol. xvi.

— — — 2d ed. [Philadelphia] 1894.

345-416 p. 24<sup>cm</sup>.

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**Hope, Frederic William.** The coleopterists' manual, containing the lamellicorn insects of Linneus and Fabricius. By the Rev. F. Hope . . . London. H. G. Bohn, 1837-40.

3 v. col. fronts., 8 pl. (5 col.) 23<sup>cm</sup>.

Vol. 3 published by J. C. Bridgewater.

Vol. 2, title reads: The coleopterist's manual, part the second containing the predacious land and water beetles of Linneus and Fabricius . . .

Vol. 3, title reads: The coleopterist's manual, part the third, containing various families, genera, and species of beetles, recorded by Linneus and Fabricius. Also, descriptions of newly discovered and unpublished insects. . . .

**Houlbert, Constant Vincent.** Rapports naturels et phylogénie des principales familles de coléoptères . . . [Paris, 1894]

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From Bulletin des sciences naturelles, tome iv, 1894.

**Imhoff, Ludwig.** Versuch einer einföhrung in das studium der koleopteren. Von Dr. Ludwig Imhoff . . . Basel, Schweighauser'sche buchdruckerei, 1856.

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Agr 4-3399



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**Kölreuter, Joseph Gottlieb.** Dissertatio inavgvralis medica de insectis coleopteris, nec non de plantis quibvsdam rarioribvs . . . Tvbingæ, litteris Erhardianis, 1755. Agr 5—46

1 p. l., 48, [2] p. fold. pl. 19 $\frac{1}{2}$ cm.

**Lacordaire, Jean Théodore.** Histoire naturelle des insectes. Genera des coléoptères, ou exposé méthodique et critique de tous les genres proposés jusqu'ici dans cet ordre d'insectes, par M. Th. Lacordaire . . . Paris, Librairie encyclopédique de Roret, 1854-76.

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Tome 10-12 by F. Chapuis.

**Le Baron, William.** Outlines of entomology published in connection with the author's annual reports upon injurious insects. Pt. first, including the order of Coleoptera. By William LeBaron . . . [Springfield, 1874] Agr 5—168  
xviii, 199 p. illus. 23cm. (Fourth [*i. e.* Fifth] annual report on the noxious and beneficial insects of the state of Illinois. 1874)

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**Letzner, K.** Beiträge zur verwandlungs-geschichte einiger käfer. . . [Breslau, 1853]

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**Löw, Franz.** Ueber einige in südfrüchten gefundene käfer und das erscheinen eines schneeflohes in Kärnthen . . . [Wien, 1858]

[561]—566 p. 22cm.

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**Macleay, William Sharp.** On the structure of the tarsus in the tetramerous and trimerous Coleoptera of the French entomologists . . . London, 1825.

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**Mulsant, Martial Etienne.** Species des coléoptères trimères sécuripalpes, par M. E. Mulsant . . . Paris, Maisson; [etc., etc.] 1850 [pref. 1848] Agr 4—3575  
xv, 1104 p. 25 $\frac{1}{2}$ cm. (*Half-title:* Annales des sciences physiques et naturelles d'agriculture et d'industrie [de la Société d'agriculture, science et industrie de Lyon, sér. 2, tome 2])

"Table des auteurs et des ouvrages cités dans ce volume"; p. [xii]—xv.

**Olivier, Antoine Guillaume.** Entomologie, ou Histoire naturelle des insectes, avec leurs caractères génériques et spécifiques, leur description, leur synonymie, et leur figure enluminée. Par M. Olivier . . . Coléoptères. Paris, De l'imprimerie de Baudouin, 1789-1808. Agr 5—220

6 v. col. front (v. 1) col. plates. 32cm.

Vol. 3-4, De l'imprimerie de Lanneau.

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2 p. l., 590 p., 15 l. xiv pl. 26 $\frac{1}{2}$ cm.

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1 p. l., 126, [2] p., 1 l. 11 pl. 27 $\frac{1}{2}$ cm.

**Rivera, Manuel J.** Apuntes acerca de la biología de algunos coleópteros cuyas larvas atacan al trigo; trabajo leído en el VII Congreso científico, por Manuel J. Rivera. Santiago de Chile, Imprenta Cervantes, 1903. Agr 4—1877  
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[161]—288 p., 1 l. 22½cm. Agr 4—3601  
From Mémoires de l'Académie de sciences, arts et belles-lettres de Dijon, t. XVII, 1871-72.

**Schenkling, Siegmund.** Nomenclator coleopterologicus. Eine etymologische erklärung sämtlicher gattungs- und artnamen der käfer des deutschen faunengebietes. Von Sigm. Schenkling. Frankfurt a/M., Verlag von H. Bechhold, 1894.  
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12 pts. plates. 23½-24½cm.  
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**Schoenherr, Carl Johann.** Synonymia insectorum, oder: Versuch einer synonymie aller bisher bekannten insecten; nach Fabricii Systema eleutheratorum, &c. geordnet, von C. J. Schönherr. Mit berichtigungen und anmerkungen, wie auch beschreibungen neuer arten und illuminirten kupfern . . . 1 bd., 2 th.; 1 bd., 4 th. Stockholm, C. F. Marquard, 1808-45.  
9 v. 1 pl. 20½cm.

Imprint of 1. bd., 4. th., tomus I, pars I: Parisiis, Roret, 1833.  
Imprint of 1. bd. 4. th., tomus I, pars II—tomus 8: Parisiis, Roret; Lipsiæ, F. Fleischer, 1833-45.  
CONTENTS.—1 bd., 2 th. Eleutherata oder käfer; Spercheus . . . Cryptocephalus, 1808.—1 bd., 4th, in 8 v. Eleutherata oder käfer; Fam. Curculionides, 1833-45.

**Sheppard, Revett.** . . . Catalogus insectorum in museo meo. [n. p., 1826?]  
unp. 19cm. Agr 4—3604  
Ms. copy in author's hand.

**Shipley, Arthur Everett.** On Lethrus cephalotes, Rhynchites betuleti and Chætoctenema basalis, three species of destructive beetles . . . [Cambridge, Eng., 1889]  
1 p. l., [335]—340 p. pl. 22cm.  
Extracted from the Proceedings of the Cambridge philosophical society, vol. VI, pt. VI.

**Sprague, Philip S.** Randall's species, Coleoptera . . . Boston, 1872.  
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[129]—248 p. 22½cm.  
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**Townsend, Charles Henry Tyler.** Description of a luminous larva found near Holbrook, Arizona . . . [San Francisco] 1893.  
[128]—130 p. 23cm.  
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2 v. 105 col. pl. 27cm.  
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**Weber, Ludw.** Ueber missbildungen bei käfern . . . [Kassel, 1895]

68-75 p. 21<sup>cm</sup>.

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**Webster, Francis Marion.** Notes on longicorn beetles affecting growing nursery stock . . . Columbus, 1900.

8 p. illus. 23<sup>1</sup>/<sub>4</sub><sup>cm</sup>.

Reprinted from the Journal of the Columbus horticultural society, December, 1900, vol. xv, no. 4.

**Webster, Francis Marion.** Notes upon the food of predaceous beetles . . . [Urbana, 1880]

[149]-152 p. 23<sup>cm</sup>.

From Illinois state laboratory of natural history. Bulletin no. 3.

**[White, Adam]** Catalogue of coleopterous insects in the collection of the British museum. Pt. VII-VIII. Longicornia I-II. London, Printed by order of the trustees, 1853-55.

Agr 3-375

2 pts. x pl. 18<sup>cm</sup>.

Paged continuously: iv, 1-174 p., 1 l., 175-412, 4 p.

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4 pts. 18<sup>cm</sup>.

CONTENTS.—pt. I, Cetoniadæ. 1847.—pt. II, Hydrocanthari. 1847.—pt. III, Buprestidæ. 1848.—pt. IV, Cleridæ. 1849.

**Wickham, Henry Frederick.** Description of the early stages of several North American Coleoptera . . . [Iowa City] 1893.

330-344 p. pl. 24<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

Extracted from vol. II, no. 4, Bulletin from the Laboratories of nat. hist., State university of Iowa. Author's extras printed Oct. 9, 1893.

**Wickham, Henry Frederick.** On the early stages of three North American Coleoptera . . . [Iowa City, Iowa, 1893]

[195]-201 p. pl. 23<sup>cm</sup>.

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**Wickham, Henry Frederick.** On the larvæ and pupæ of Hololepta and Pyrochroa . . . [Philadelphia] 1894.

816-820 p. pl. 26<sup>cm</sup>.

From the American naturalist, September 1st, 1894, vol. XXVIII.

**Wickham, Henry Frederick.** On the larvæ of Lucidota, Sinoxylon and Spermothorus . . . [Iowa City, Iowa, 1895]

[31]-35 p. pl. 24<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

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**Wickham, Henry Frederick.** Studies on the male tarsus in some adephagous Coleoptera . . . [Iowa City, Iowa, 1893]

[322]-329 p. v-viii pl. 24<sup>cm</sup>.

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**Austin, E. P.** . . . Catalogue of the Coleoptera of Mt. Washington, N. H., by E. P. Austin; with descriptions of new species, by J. L. Le Conte, M. D. [Boston] 1874.

[265]-276 p. 23<sup>cm</sup>.

From the Proceedings of the Boston society of natural history, vol. XVI, January 28, 1874.

**Casey, Thomas Lincoln.** Contributions to the descriptive and systematic coleopterology of North America . . . by Thos. L. Casey . . . [Philadelphia, Collins printing house, 1884-85]

Agr 4-3505

2 pts. pl. 23<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

Lacks title-page.

Paged continuously: pt. I, 60 p., pt. II, [61]-198 p.



**Casey, Thomas Lincoln.** New genera and species of Californian Coleoptera . . . [San Francisco] 1885.

283-336 p. pl. 25<sup>cm</sup>.

From the Bulletin of the California academy of sciences, vol. I.

**Crotch, George Robert.** Check list of the Coleoptera of America, north of Mexico. By G. R. Crotch, M. A. Salem, Mass., Naturalists' agency, 1873.

136 p. 23 $\frac{1}{2}$ <sup>cm</sup>.

Cover-title gives date as 1874.

— Supplement to the Check list of the Coleoptera of America, north of Mexico. By E. P. Austin. Boston, S. E. Cassino, 1880.

67 p. 23 $\frac{1}{2}$ <sup>cm</sup>.

**Davis, C. Abbott.** Instructions for collecting and mounting insects. And a check-list of the Coleoptera of the state of Rhode Island, U. S. A. [By] C. Abbott Davis . . . 2d ed. Providence, Pilgrim press, 1902.

Agr 4—1881

47, [3] p. illus. 23<sup>cm</sup>. (*On cover:* Bulletin no. 1. Roger Williams park museum, Providence, R. I.)

Cover-title says 3d ed, 1904.

**Dury, Charles.** . . . Coleopterological notes—Faunal changes in the vicinity of Cincinnati, Ohio . . . [Cincinnati] 1898.

139-141 p. 24<sup>cm</sup>.

From the Journal of the Cincinnati society of natural history, vol. XIX.

**Dury, Charles.** . . . Notes on Coleoptera, with additions to the list of the Coleoptera of Cincinnati . . . [Cincinnati] 1884.

1 p. 30<sup>cm</sup>.

From the Journal of the Cincinnati society of natural history, July, 1884, vol. III, p. 91-92.

**Fall, Henry Clinton.** List of the Coleoptera of southern California, with notes on habits and distribution and descriptions of new species, by H. C. Fall . . . San Francisco, California academy of sciences, 1901.

Agr 5—916

2 p. 1., 282 p. 24 $\frac{1}{2}$ <sup>cm</sup>. (*Added t.-p.:* Occasional papers of the California academy of sciences. VIII)

**Haldeman, Samuel Stehman.** . . . Descriptions of North American Coleoptera, chiefly in the cabinet of J. L. Le Conte, M. D., with references to described species . . . [Philadelphia, 1848]

95-110 p. 31 $\frac{1}{2}$ <sup>cm</sup>.

From Journal of the Academy of natural sciences, of Philadelphia, ser. 2, vol. 1.

**Henshaw, Samuel.** List of the Coleoptera of America, north of Mexico, by Samuel Henshaw. Philadelphia, American entomological society, 1885.

2 p. 1., 161 p. 23 $\frac{1}{2}$ <sup>cm</sup>.

— Third supplement . . . Philadelphia, American entomological society, 1895.

2 p. 1., 62 p. 24<sup>cm</sup>.

"The present supplement . . . includes all the additions and corrections contained in the first and second supplements; also such as have been noted since May, 1889. The species are numbered continuously with the List."

**Horn, George Henry.** Descriptions of new North American Coleoptera, in the cabinet of the Entomological society of Philadelphia . . . [Philadelphia, 1861]

1 p. col. pl. 20 $\frac{1}{2}$ -24 $\frac{1}{2}$ <sup>cm</sup>.

From Proceedings of the Acad. nat. sciences of Phila. 1860, vol. XII, pp. 569 to 571, with plate VIII.

**Hubbard, Henry Guernsey.** The Coleoptera of Michigan. By H. G. Hubbard and E. A. Schwarz . . . [Philadelphia, 1878]

[593]-669 p. pl. 24 $\frac{1}{2}$ <sup>cm</sup>.

From the Proceedings of the American philosophical society. vol. XVII.

CONTENTS.—1. Descriptions of new species. By J. L. Le Conte.—2. List of Coleoptera found in the Lake Superior Region. By H. G. Hubbard and E. A. Schwarz.—3. Contribution to a list of the Coleoptera of the lower peninsula of Michigan. By H. G. Hubbard and E. A. Schwarz.—4. Description of the larva of *Micromalthus debilis* Lec. By H. G. Hubbard.

**Knaus, Warren.** Additions to the list of Kansas Coleoptera . . . [Topeka, 1898]

18-20 p. 23 $\frac{1}{2}$ <sup>cm</sup>.

From the Transactions of the Kansas academy of science, v. 15.

**Le Conte, John Lawrence.** Additions to the coleopterous fauna of northern California and Oregon . . . [Philadelphia, 1860]

281-292 p. 23 $\frac{1}{2}$ cm.

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**Le Conte, John Lawrence.** Additions to the coleopterous fauna of the United States. no. 1 . . . [Philadelphia, 1866]

361-394 p. 24 $\frac{1}{2}$ cm.

From the Proceedings of the Academy of natural sciences of Philadelphia. 1866.

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pt. 3. 30 $\frac{1}{2}$ cm.

From Journal of the Academy of natural sciences, 2d ser., vol. II, Oct., 1851.

Pts. [1-2, 4] contained in Journal of the Academy of natural sciences, 2d ser., vol. I, p. 311-340, vol. II, p. 5-38, 139-178.

**Le Conte, John Lawrence.** Catalogue of the Coleoptera of Fort Tejon, California . . . [Philadelphia, 1860]

69-90 p. 24cm.

From the Proceedings of the Academy of natural sciences of Philadelphia. 1859.

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9-42 p. pl. 33cm.

From Journ. Acad. nat. sci., Vol. IV. No. 1, Nov., 1858.

**Le Conte, John Lawrence.** . . . Classification of the Coleoptera of North America. Prepared for the Smithsonian institution by John L. Le Conte and George H. Horn. Washington, Smithsonian institution, 1883.

Agr 5-169

xxxviii, 567 p. illus. 24cm. (Smithsonian miscellaneous collections. vol. 26)

"References for specific identification. By Samuel Henshaw": p. 535-552.

**Le Conte, John Lawrence.** . . . The Coleoptera of Kansas and eastern New Mexico. By John L. Le Conte, M. D. <Accepted for publication, October, 1859.> Washington City, Published by the Smithsonian institution, 1859.

cover-title, vi, 58 p. front. (map), 2 pl. 33cm. (Smithsonian contributions to knowledge. [Vol. XI])

**Le Conte, John Lawrence.** . . . The Coleoptera of the Alpine regions of the Rocky mountains . . . Washington, 1878.

2 pts. 22 $\frac{1}{2}$ cm.

At head of title: Author's edition. Department of the interior. United States geological and geographical survey.

Extracted from the Bulletin of the Survey, vol. IV, no. 2, vol. V, no. 3.

**Le Conte, John Lawrence.** Coleoptera of the U. S. Coast survey expedition to Alaska, under charge of Mr. George Davidson . . . [n. p., 1868?]

59-64 p. 26cm.

**Le Conte, John Lawrence.** . . . Description of new species of Coleoptera, chiefly collected by the United States and Mexican boundary commission, under Major W. H. Emory . . . [Philadelphia, 1858]

[59]-89 p. 22 $\frac{1}{2}$ cm.

From the Proceedings of the Academy of natural sciences, March, 1858.

**Le Conte, John Lawrence.** Descriptions of new species of Coleoptera, from California . . . [New York, 1851]

[125]-216 p. 22cm.

From Annals of the Lyceum of natural history of New York. vol. V.

**Le Conte, John Lawrence.** Descriptions of new species of North American Coleoptera. By Dr. Jno. L. Le Conte and Dr. Geo. H. Horn . . . [Topeka, 1881]

4 p. 23 $\frac{1}{2}$ cm.

From Transactions Kansas academy of science, vol. VII.

**Le Conte, John Lawrence.** List of Coleoptera collected in the mountains of Lycoming county, Pa. . . . [Philadelphia, 1866]

346-348 p. 24½<sup>cm</sup>.

From the Proceedings of the Academy of natural sciences of Philadelphia. 1866.

**Le Conte, John Lawrence.** List of Coleoptera collected near Fort Whipple, Arizona, by Dr. Elliott Coues, U. S. A., in 1864-65 . . . [Philadelphia, 1866]

348-349 p. 24½<sup>cm</sup>.

From the Proceedings of the Academy of natural sciences of Philadelphia. 1866.

**Le Conte, John Lawrence.** . . . List of the Coleoptera of North America. Prepared for the Smithsonian institution. By John L. Le Conte, M. D. . . . Washington, Smithsonian institution, 1866.

pt. 1. 24<sup>cm</sup>. (Smithsonian miscellaneous collections. 140 [vol. vi])

**Le Conte, John Lawrence.** New species of Coleoptera inhabiting the Pacific district of the United States. [Philadelphia, 1861]

338-359 p. 23½<sup>cm</sup>.

From the Proceedings of the Academy of natural sciences of Philadelphia. 1861.

**Le Conte, John Lawrence.** . . . New species of North American Coleoptera. Prepared for the Smithsonian institution by John L. Le Conte, M. D. . . . Washington, Smithsonian institution, 1873.

pt. 2. 24½<sup>cm</sup>. (Smithsonian miscellaneous collections. 264 [vol. xi])

**Le Conte, John Lawrence.** . . . Report upon insects collected on the Survey . . . [Washington, 1859]

72 p. 11 pl. 28½<sup>cm</sup>. [Reports of explorations and surveys to ascertain the most practicable and economical route for a railroad from the Mississippi River to the Pacific Ocean. Made under the direction of the Secretary of War, in 1853-5, according to acts of Congress of March 3, 1853, May 31, 1854, and August 5, 1854. Supplement to vol. I. Zoological report no. I]

**Melsheimer, Friedrich Ernst.** Catalogue of the described Coleoptera of the United States. By Friedrich Ernst Melsheimer, M. D. Rev. by S. S. Haldeman and J. L. Le Conte . . . Washington, Smithsonian institution, 1853.

Agr 5-528

xvi, 174 p. 23<sup>cm</sup>.

"Authorities": p. [xi]-xv.

**Rivers, John James.** Contributions to the larval history of Pacific coast Coleoptera. By J. J. Rivers . . . Sacramento, J. J. Ayers, Supt. state printing, 1886.

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"A new series of Californian Coleoptera. By J. J. Rivers": p. 9-10.

**Schwarz, Eugene Amandus.** The Coleoptera of Florida. By E. A. Schwarz. With additional descriptions of new species, by John L. Le Conte, M. D. [Philadelphia, 1878]

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**Schwarz, Eugene Amandus.** Coleoptera of the expedition . . . [New York] 1900.

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**Snow, Francis Huntington.** List of Coleoptera collected in Colorado in June, July and August, 1876, by the Kansas university scientific expedition . . . [Lawrence, Kansas, 1877]

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**Ulke, Henry.** . . . A list of the beetles of the District of Columbia . . . Washington, 1902.

1 p.l., 57 p. 24½cm.

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**Wickham, Henry Frederick.** The beetles of southern Arizona . . . Iowa City, Iowa, 1898.

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**Wickham, Henry Frederick.** Coleoptera [of Iowa] [Des Moines, 1894]

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[125]-169 p. 23½cm.

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[202]-233 p. 2 maps. 23cm.

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**Acloque, A.** . . . Faune de France, contenant la description de toutes les espèces indigènes disposées en tableaux analytiques et illustrée de figures représentant les types caractéristiques des genres et des sous-genres, avec une préface par Edmond Perrier . . . Coléoptères . . . Paris, J.-B. Baillière et fils, 1896.

2 p. l., 466 p. illus. 18½cm.

**Alluaud, Ch.** Deux coléoptères nouveaux du sud-est de Madagascar . . . [Paris] 1899.

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**Atkinson, Edwin T.** Catalogue of the insecta of the oriental region . . . Order Coleoptera . . . no. 4-12. Calcutta, 1891.

127-265, xxv p. 23<sup>cm</sup>.

From the Journal of the Asiatic society of Bengal, vol. LIX, pt. II, 1890. Supplement, no. 2.

**Aurivillius, Per Olof Christopher.** Förteckning öfver en samling Coleoptera och Lepidoptera. See under Lepidoptera, p. 305.

**Aurivillius, Per Olof Christopher.** . . . Insekter insamlade på Kamarun-berget af G. Valdau och K. Knutson. I. Coleoptera: Cetoniidæ et Lucanidæ . . . Stockholm, 1886.

18 p. illus. 22<sup>cm</sup>.

Bihang till K. Svenska vet.-akad. Handlingar. bd. 12, afd. iv, N:o 1.

**Aurivillius, Per Olof Christopher.** Lepidoptera och Coleoptera. See under Lepidoptera, p. 306.

**Baer, G. A.** Catalogue des coléoptères des Îles Philippines. Par M. G.-A. Baer. [Paris, 1886]

Agr 4-3417

[97]-200 p. 21<sup>cm</sup>.

Caption title.

From the Annales de la Société entomologique de France, July, 1886.

**Bau, Alexander.** . . . Handbuch für käfer-sammler. Beschreibung der in Deutschland, Oesterreich-Ungarn und der Schweiz vorkommenden coleopteren. Von Alexander Bau. . . Magdeburg, Creutz'sche verlagsbuchhandlung (R. & M. Kretschman), 1888.

Agr 4-3478

iv, 494 p. illus. 20½<sup>cm</sup>. (On cover: Handbuch für insekten-sammler von Alexander Bau, bd. II)

Cover-title: . . . Die käfer. Beschreibung aller in Deutschland, Oesterreich-Ungarn und der Schweiz vorkommenden coleopteren, in systematischer und analytischer, zum selbstbestimmen geeigneter anordnung . . .

**Bedel, Louis.** . . . Faune des coléoptères du bassin de la Seine, par Louis Bedel . . . Paris, Société entomologique de France, 1881-1901.

v. 1, 5-6. 2 pl. 21½<sup>cm</sup>.

At head of title: Annales de la Société entomologique de France. Publication hors série.

For dates and manner of issue see Catalogue of the books . . . in the British museum (Natural history)

**Berg, Carlos.** Coleópteros de la Tierra del Fuego, coleccionados por el Sr. Carlos Backhausen. . . [Buenos Aires] 1899.

[57]-65 p. 24<sup>cm</sup>.

From Comunicaciones del Museo nacional de Buenos Aires, t. 1, no. 3.

**Bestimmungs-tabellen der europäischen coleopteren.** I-XXX. . . Wien, 1879-94. 31 nos. 22½<sup>cm</sup>.

Place of publication varies.

Library also has 2d ed. of II and III.

**Biologia centrali-americana.** Insecta. Coleoptera . . . [London, Pub. for the editors by R. H. Porter] 1879-1905.

v. 1, pt. 1-2; v. 2, pt. 1-2; v. 3, pt. 1-2; v. 4, pt. 1-2, pt. 3, p. 1-168, pt. 4, p. 1-528, pt. 6, p. 1-298; v. 5; v. 6, pt. 1-2, sup. to pt. 1; v. 7. plates (partly col.) 32½<sup>cm</sup>.

Issued in parts.

Cover-title: Biologia centrali-americana; or, Contributions to the knowledge of the fauna and flora of Mexico and Central America. Ed. by F. Ducane Godman and Osbert Salvin.

Aug. 1898-1905, ed. by F. Ducane Godman.

CONTENTS.—vol. I, pt. 1. Adephaga, by H. W. Bates. 1881-84.—vol. I, pt. 2. Adephaga (continued), by D. Sharp. 1882-87.—vol. II, pt. 1. Pselaphidæ, etc., by D. Sharp, A. Matthews, and G. Lewis.

1887-1905.—vol. II, pt. 2. Pectinicornia and Lamellicornia, by H. W. Bates. 1886-90.—vol. III, pt. 1. Serricornia. Buprestidæ, by C. O. Waterhouse; Throscidæ and Eucnemidæ, by G. Horn (with a supplement by G. C. Champion); Elateridæ-Dascillidæ, by G. C. Champion. 1882-1905.—vol. III, pt. 2. Malacodermata, by the Rev. H. S. Gorham. 1880-86.—vol. IV, pt. 1-2. Heteromera, by G. C. Champion. 1884-93.—vol. IV, pt. 3 (not yet complete) Rhynchophora, by D. Sharp. 1889-91.—vol. IV, pt. 4 (not yet complete) Rhynchophora, by G. C. Champion. 1902-05.—vol. IV, pt. 6 (not yet complete) Rhynchophora, by D. Sharp and W. F. H. Blandford. 1895-1905.—vol. V. Longicornia, by H. W. Bates. 1879-86.—vol. VI, pt. 1 and supplement. Phytophaga, by M. Jacoby. 2 v. 1880-92.—vol. VI, pt. 2. Phytophaga. Hispidæ, by J. S. Baly, with an appendix by G. C. Champion; Cassididæ, by G. C. Champion. 1885-94.—vol. VII. Erotylidæ, Endomychidæ, and Coccinellidæ, by the Rev. H. S. Gorham. 1887-99.

**Blackburn, Thomas.** . . . Memoirs on the Coleoptera of the Hawaiian islands. By the Rev. T. Blackburn, B. A., and Dr. D. Sharp . . . Dublin, Royal Dublin society, 1885.

Agr 3—981

cover-title, 119-300 p. iv-v pl. 29<sup>cm</sup>. (The Scientific transactions of the Royal Dublin society. vol. III. (series II)

**Blackburn, Thomas.** . . . Notes on Australian Coleoptera, with descriptions of new species . . . [Sydney] 1890-94.

pt. IX, XIII-XV. 21½-23<sup>cm</sup>.

From the Proceedings of the Linnean society of New South Wales, ser. 2, vol. v, p. 775-790; vol. VIII, p. 185-208, 245-286; vol. IX, p. 85-108.

**Boheman, Carl Henrik.** Insecta Caffraria annis 1838-1845 a J. A. Wahlberg collecta, descripsit Carolus H. Boheman . . . Holmiæ, ex officina norstedtiana, 1848-57.

Agr 4—3484

2 v. in 3. 3 pl. 21½<sup>cm</sup>.

Treats of Coleoptera only.

Continued as Coleoptera Caffrariæ a J. A. Wahlberg collecta . . . descripsit Ol. Im. Fåhræus . . . Holmiæ, 1870.

**Broun, Thomas.** . . . Descriptions of new Coleoptera from New Zealand . . . [London, 1894-1895]

Agr 4—3495

7 pts. 21½<sup>cm</sup>.

From the Annals and magazine of natural history, ser. 6; vol. XIV, October, 1894; vol. XV, May, 1895.

**Broun, Thomas.** . . . Manual of the New Zealand Coleoptera. By Captain Thomas Broun . . . Wellington, 1880-93.

Agr 4—3496

7 pts. in 4. 24½<sup>cm</sup>.

Paged continuously; pt. I: 1 p. l., IV, 651 p.; pt. II: viii, 653-744 [xxi]-xxiii p.; pt. III-IV: xvii, 745-973 p.; pt. V-VII: xvii, [975]-1504 p.

At head of title: Colonial museum & geological survey department. James Hector . . . director.

**Chevrolat, Auguste.** Coléoptères du Mexique, par A. Chevrolat . . . Strasbourg, Impr. de G. Silbermann, 1834.

Agr 3—776

vii p., 211 l. 17½<sup>cm</sup>.

Most of the leaves printed on both sides.

Pub. in 8 fasc., 1833-35.

**Dejean, Pierre François Marie Auguste, comte.** Iconographie et histoire naturelle des coléoptères d'Europe; par M. le comte Dejean . . . et M. J.-A. Boisduval . . . Paris, Méquignon-Marvis; [etc., etc.] 1829-36.

Agr 3—330

5 v. 370 col. pl. 22<sup>cm</sup>.

Vol. 5 has title: Iconographie et histoire naturelle des coléoptères d'Europe; par M. le comte Dejean . . . continuée par le docteur Ch. Aubé . . . tome 5. Hydrocanthares.

**Dietrich, Kaspar.** Systematisches verzeichniss der bisher im Kanton Zürich aufgefundenen käfer als beitrage zur kenntniss der schweizerischen insekten-fauna überhaupt und der des Kantons Zürich insbesondere zusammengestellt und mit mannigfachen biologischen und synonymischen notizzen begleitet von Kaspar Dietrich . . . Zürich, Im verlage des verfassers; druck von Zürcher und Furrer, 1865.

1 p. l., 240 p. 28½<sup>cm</sup>.

Aus dem 21. bande der Neuen denkschriften der Allgemeinen schweizerischen gesellschaft für gesammte naturwissenschaften besonders abgedruckt.



**Distant, William Lucas.** . . . Some apparently undescribed insects from the Transvaal . . . [London] 1899.

[461]—465 p. 22<sup>cm</sup>.

From the Annals and magazine of natural history, ser. 7, vol. III, June 1899.

**Erichson, Wilhelm Ferdinand.** Naturgeschichte der insecten Deutschlands, begonnen von Dr. W. F. Erichson, fortgesetzt von Prof. Dr. H. Schaum, Dr. G. Kraatz and H. v. Kiesenwetter [Julius Weise, Edm. Reitter und Dr. G. Seidlitz] 1. abth. Coleoptera . . . Berlin, Nicolaische verlags-buchandlung, 1848—99.

1 bd., 1. hälfte, 2. hälfte, 1 lfg.; 2. bd.; 3. bd. 1. abth.; 2. abth. 1.-2 lfg.; 4. bd.; 5. bd., 1. hälfte, 2. hälfte, 1.-3. lfg.; 6. bd. 23½<sup>cm</sup>.

1. bd. 1. hälfte. Bearb. von H. Schaum, 1860; 1. bd. 2. hälfte, 1. lfg. Bearb. von H. Schaum und H. v. Kiesenwetter. 1868; 2. bd. Bearb. von Dr. G. Kraatz. 1858; 3. bd. 1. abth. von Dr. W. F. Erichson. 1845—48; 3. bd. 2. abth. 1.-2. lfg. Bearb. von Edm. Reitter, 1882—85; 4. bd. Bearb. von H. v. Kiesenwetter. [1857]—63; 5. bd. 1. hälfte, 1. lfg. Bearb. von H. v. Kiesenwetter. 1877; 5. bd. 1. hälfte, 2.—5. lfg. Bearb. von H. v. Kiesenwetter und G. Seidlitz. 1893—98; 5. bd. 2. hälfte. 1.—3. lfg. Bearb. von Dr. Georg Seidlitz. 1896—99; 6. bd. Bearb. von Julius Weise. 1882—93.

**Everts, Jonkheer Eduard.** Coleoptera neerlandica. De schildvleugelige insecten van Nederland en het aangrenzend gebied, door Jhr. Ed. Everts. . . 's Gravenhage, M. Nijhoff, 1898—1901.

v. 1-2, pt. 1. illus. 27½<sup>cm</sup>.

**Fähræus, Olof Immanuel.** Coleoptera Caffrariæ a J. A. Wahlberg collecta . . . descripsit Ol. Im. Fähræus. Ex Actis Reg. Academiæ scientiarum Holmiensis. Holmiæ, P. A. Norstedt et filii, 1870.

Agr 5—218

[502] p. 21½<sup>cm</sup>.

Various paging.

From Öfversigt af Kongl. Vetenskaps-akademiens Förhandlingar, 1870—72. Stockholm.

Continues Boheman, Carl Henrik, Insecta Caffraria annis 1838—1845 a J. A. Wahlberg collecta . . . 1848—57.

**Fairmaire, Léon Marc Herminie.** Coléoptères, par M. L. Fairmaire. [Paris, 1888]

Agr 3—1251

63 p. 11 col. pl. 28<sup>cm</sup>. ([Ministères de la marine et de l'instruction publique. Mission scientifique du Cap Horn. 1882—1883. Tome vi. Zoologie. Insectes])

Caption title.

**Fairmaire, Léon Marc Herminie.** Diagnoses de coléoptères abyssins . . . [Paris] 1883.

205—206 p. 31½<sup>cm</sup>.

From Le naturaliste, vol. v, no. 2.

**Faune entomologique armoricaine.** Coléoptères . . . 76. famille. Rennes, Impr. F. Simon, 1903.

viii, 95, [1] p. 25½<sup>cm</sup>.

Publié par la Société scientifique et médicale de l'ouest.

CONTENTS.—76, famille. Cérambycides (longicornes) par C. Houlbert et E. Monnot.

**Fleutiaux, Édouard.** Liste des Cicindelidæ, Elateridæ et Eucnemidæ recueillis dans le Japon central par M. le Dr. J. Harmand, de 1894 à 1897 . . . [Paris] 1900.

6 p. 23½<sup>cm</sup>.

Extrait du Bulletin du Muséum d'histoire naturelle.—1900, N<sup>o</sup>. 7, p. 356—361.

**Froggatt, Walter Wilson.** . . . On the life-histories of Australian Coleoptera . . . [Sydney, 1894—95]

pt. II—III. 23<sup>cm</sup>.

From "Proceedings of the Linnean society of New South Wales," ser. 2, vol. IX, p. 113—125; vol. X, p. 325—336.

**Gahan, Charles Joseph.** On some longicorn Coleoptera from the island of Hainan . . . [London] 1900.

[347]—354 p. 22<sup>cm</sup>.

From the Annals and magazine of natural history, ser. 7, vol. v, April, 1900.

**Ganglbauer, Ludwig.** Die käfer von Mitteleuropa. Die käfer der österreichisch-ungarischen monarchie, Deutschlands, der Schweiz, sowie des französischen und italienischen alpengebietes. Bearbeitet von Ludwig Ganglbauer. . . . Wien, C. Gerold's sohn, 1892-1904.

v. 1-4, pt. 1. illus. 27<sup>cm</sup>.

CONTENTS.—1. bd. Familienreihe Caraboidea. 1892.—2. bd. Familienreihe Staphylinoidea. 1. th. 1895.—3. bd. Familienreihe Staphylinoidea. II. th. . . . Familienreihe Clavicornia . . . 1899.—4. bd., 1. hälfte. Derrestidæ, Byrrhidæ, Nosodendridæ, Geonyssidæ, Dryopidæ, Heteroceridæ, Hydrophilidæ. 1904.

**Gorham, Henry Stephen.** Descriptions of new genera and species of Coleoptera from South and West Africa, of the section Serricornia, and of the families Erotylidæ, Endomychidæ, and Languriidæ . . . London, 1900-01.

pt. 1-2. 22½<sup>cm</sup>.

From the Annals and magazine of natural history, ser. 7, vol. v, p. 71-94; vol. vii, p. 349-365.

**Grouvelle, Antoine.** Coléoptères (Silphidæ, Nitidulidæ, Rhysodidæ, Cucujidæ, Cryptophagidæ), recueillis dans le Japon central par M. le Dr. Harmand . . . [Paris] 1902.

11 p. 23<sup>cm</sup>.

Extrait du Bulletin du Muséum d'histoire naturelle—1902, n<sup>o</sup>. 1, p. 15-25.

**Gyllenhal, Leonhard.** Insecta svecica descripta a Leonardo Gyllenhal . . . Classis I. Coleoptera sive Eleuterata. Tomus I. Scaris, litteris F. J. Leverentz, 1808-27.

Agr 4—3546

4 pts. 18½<sup>cm</sup>.

pt. iv, Lipsiæ, F. Fleischer, 1827.

Forms the entomological part of Retzius, Fauna Sueciæ.

"Auctores citati cum explicatione abbreviationum" at beginning of each part.

**Harrington, W. Hague.** List of Ottawa Coleoptera . . . [Ottawa, 1884]

67-90 p. 22½<sup>cm</sup>.

From the Ottawa field-naturalists' club. Transactions. no. 5.

**Heyden, Lucas von.** Catalog der coleopteren von Sibirien, mit einschluß derjenigen des östlichen Caspi-gebietes, von Turcmenien, Turkestan, Nord-Thibet und des Amur-gebietes . . . Nachtrag I. Bearb. von Lucas von Heyden . . . Hrsg. von der Deutschen entomologischen gesellschaft, 1893[-95] Berlin, A. W. Schade's buchdruckerei, (L. Schade) [1895]

217 p. 22½<sup>cm</sup>.

— — — Nachtrag II. Berlin, A. W. Schade's buchdruckerei, (L. Schade) 1896.

p. 1-96. 22½<sup>cm</sup>.

**Heyden, Lucas von.** Catalogus coleopterorum Europæ, Caucasi et Armeniæ rossicæ. Auctoribus Dr. L. v. Heyden, E. Reitter & J. Weise cum aliis sociis coleopterologicis. Ed. Edmund Reitter. Berlin, R. Friedlander & sohn; Mödling, E. Reitter; [etc., etc.] 1891.

viii, 420 p. 20½<sup>cm</sup>.

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**Horn, George Henry.** The Coleoptera of Baja California . . . [San Francisco] 1894.

302-449 p. VII-VIII pl. 24½<sup>cm</sup>.

From the Proc. Cal. acad. sci., 2d ser., vol. iv.

— — — (Supplement II.) . . . [San Francisco] 1896.

367-421 p. 24½<sup>cm</sup>.

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**Houlbert, Constant Vincent.** Petite faune analytique des coléoptères français les plus communs, contenant la description de 200 espèces d'insectes environ et un grand nombre de tableaux dichotomiques, par Constant Houlbert. Paris, P. Dupont, 1892.

1 p. l., 78 p. 18½<sup>cm</sup>.

**Janson, Edward Wesley.** British beetles. Transferred from Curtis's British entomology. With descriptions by E. W. Janson . . . London, Bell and Daldy, 1863.

Agr 3—983

vi, 57, [1] p. xxix pl. 26½cm.

**Junod, H. A.** La faune entomologique du Delagoa. I. Coléoptères par H. A. Junod . . . avec la collaboration du prof. E. Bugnion. [Lausanne, 1899]

162-190 p. v-vi pl. 22cm.

From Bulletin de la Société vaudoise des sciences naturelles, vol. xxxv.

**Kolbe, Hermann Julius.** Coleopteren. Die käfer Deutsch-Ost-Afrikas. Von H. Kolbe . . . Mit 4 tafeln, gezeichnet von Nic. Prillwitz. Berlin, D. Reimer (E. Vohsen) 1897.

1 p. l., 367, [1] p. iv pl. 28cm.

"Litteratur über coleopteren Ost-Afrikas": p. 355-357.

**Lameere, Auguste.** . . . Faune entomologique de l'Afrique tropicale. Longicornes, par Aug. Lameere . . . Bruxelles [Spineux et c<sup>e</sup>] 1903.

pt. l. iii pl. 37½cm. (État indépendant du Congo. Annales du Musée du Congo . . . Zoologie. Sér. iii [tome ii, fasc. 1])

Contents.—I. Prioninæ.

**Le Conte, John Lawrence.** Notes on Coleoptera found at Fort Simpson, Mackenzie River, with remarks on northern species . . . [Philadelphia, 1860]

315-321 p. 22½cm.

From the Proceedings of the Academy of natural sciences of Philadelphia, 1860.

**Le Conte, John Lawrence.** Notes on the coleopterous fauna of Lower California . . . [Philadelphia, 1862]

335-338 p. 24cm.

From the Proceedings of the Academy of natural sciences of Philadelphia, 1861.

**Linell, Martin Lawson.** . . . List of Coleoptera collected on the Tana River, and on the Jombene range, East Africa, by Mr. William Astor Chanler and Lieutenant Ludwig von Höhnelt, with descriptions of new genera and species . . . Washington, 1896.

cover-title, 687-716 p. 24½cm.

From the Proceedings of the United States national museum, vol. xviii, p. 687-716 &lt;no. 1094&gt;

**Linell, Martin Lawson.** . . . On the coleopterous insects of Galapagos islands . . . Washington, 1896.

1 p. l., 249-268 p. 24cm.

From the Proceedings of the United States national museum, vol. xxi, p. 249-268 &lt;no. 1143&gt;

**Macleay, William Sharp.** . . . Annulosa javanica, or An attempt to illustrate the natural affinities and analogies of the insects collected in Java by Thomas Horsfield . . . and deposited by him in the museum of the Honourable East-India company. By W. S. MacLeay . . . London, Kingsbury, Parbury, and Allen, 1825.

cover-title, [iii]-xii, 50 p., 1 l. 1 col. pl. 32cm.

At head of title: Number 1 . . .

No more published.

**Martyn, Thomas.** The English entomologist exhibiting all the coleopterous insects found in England; including upwards of 500 different species, the figures of which have never before been given to the public, the whole accurately drawn and painted after nature. Arranged and named according to the Linnean system by Thomas Martyn at his academy for illustrating natural history. London, 1792.

3 p. l., 33, [4] p. 44 pl. (42 col.) 35½cm.

Engr. t.-p.

Pref. dated March 31, 1793.

**Masters, George.** . . . Catalogue of Australian Coleoptera. Index to families and genera. [Melbourne, n. d.]

23 p. 21½cm.

Index prepared by Claude Fuller?



**Mulsant, Martial Étienne.** Histoire naturelle des coléoptères de France; par M. E. Mulsant . . . 1<sup>re</sup> livraison.—Longicornes. Paris, Maisou; Lyon, C. S. Jeune, 1840.

xi, [1], 304 p. 3 pl. 22<sup>cm</sup>.

Agr 5—176-217

Supplementary pages issued with Lamellicornes [Ed. 1], Palpicornes [Ed. 1], Sulcicolles, Latigènes, Pectinipèdes.

— — — Longicornes. [Ed. 2] Paris, Magnin, Blanchard et c<sup>ie</sup>, successeurs de L. Janet, 1862-63.

Agr 5—176-217

4 p. 1, 590 p. 22<sup>cm</sup>.

Extrait des Annales de la Société impériale d'agriculture, d'histoire naturelle et des arts utiles de Lyon. 1862-1863.

— — — Lamellicornes. Paris, Maisou, 1842.

Agr 5—176-217

viii, 623 p. iii pl. 22<sup>cm</sup>.

Supplementary pages issued with Palpicornes, Ed. 2, Sulcicolles, and Pectinipèdes.

— — — Lamellicornes-Pectinicornes. Paris, Deyrolle, 1871.

Agr 5—176-217

3 p. . . 735, [1], 42 p. 1 l. [2] p., 2 l. iii pl. 25<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

[Ed. 2] of Lamellicornes.

Par É. Mulsant et Cl. Rey.

— — — Palpicornes. Lyon, C. S. Jeune, 1844.

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— — — Palpicornes. 2. éd. Beaune (Côte-d'Or) Bibliothèque entomologique de E. André, 1885.

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From Annales de la Société linnéenne de Lyon. Année 1857, nouv. sér., tome 4.

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Par Cl. Rey.

— — — Famille des lathridiens. 1<sup>re</sup> ptie., par le R. P. Fr. Marie-Joseph Belon . . . Lyon, Imprimerie de A Storck, 1881.

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2 p. l., 209, 17, 6 p., 1 l. 25½<sup>cm</sup>.

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2 p. l., 152 p. 25½<sup>cm</sup>

Extrait des Annales de la Société linnéenne de Lyon. Tome xxxi, année 1884.

For further details of publication, see Carus and Engelmann. Bibliotheca zoologica, p. 707; Taschenberg, Bibliotheca zoologica, p. 2520; Hagen, Bibliotheca entomologica, v. 1, p. 558.

**Petri, Karl.** Monographie des coleopteren-tribus Hyperini . . . von Dr. Karl Petri. Hrsg. vom Siebenbürgischen verein für naturwissenschaften zu Hermannstadt. Berlin, R. Friedländer & sohn, [1901]

iv, 210 p. incl. illus., III pl. 27<sup>cm</sup>. (Siebenbürger verein für naturwissenschaften zu Hermannstadt. Abhandlungen. II. bd.)

**Philippi, Federico.** Catálogo de los coleópteros de Chile por Federico Philippi . . . Santiago de Chile, Imprenta nacional, 1887.

Agr 4—3584

190 p. 24<sup>cm</sup>.

De los Anales de la Universidad de Chile, tomo LXXI.

"Autores más frecuentemente citados en el catálogo, p. 7-9". "Obras más frecuentemente citadas;" p. 9-11.

**Pittier de Fábrega, Henri F.** . . . Coleópteros (especies hasta hoy coleccionadas y determinadas) Por H. Pittier y P. Biolley. San José de Costa Rica A. C, Tip. nacional, 1895.

40 p. 20½<sup>cm</sup>. (Instituto físico-geográfico nacional. Invertebrados de Costa Rica. 1)

**Preudhomme de Borre, Alfred, i. e. Carl Franz Paul Alfred.** Matériaux pour la faune entomologique de la province d'Anvers. Coléoptères. 1.-4. centurie, by Alfred Preudhomme de Borre . . . Bruxelles, 1881-91.

4 pts. illus. 22½-25<sup>cm</sup>.

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1. centurie, extrait du Bulletin du Cercle floral d'Anvers.

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4 pts. 24<sup>cm</sup>.Extrait des Mémoires de la Société royale des sciences de Liège, 2<sup>e</sup> série, t. IX, X, XV.

**Preudhomme de Borre, Alfred, i. e. Carl Franz Paul Alfred.** Matériaux pour la faune entomologique de la province de Limbourg. Coléoptères. 1.-4. centurie. Tongres, 1882-91.

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Extrait des Publications de l'Institut royal grand-ducal de Luxembourg, section des sciences naturelles.

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**Preudhomme de Borre, Alfred, i. e. Carl Franz Paul Alfred.** Matériaux pour la faune entomologique du Brabant. Coléoptères. 1., 5. centurie . . . Bruxelles, 1881-90.

pt. 1, 5. 22<sup>cm</sup>. (5. centurie 23<sup>cm</sup>.)

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**Preudhomme de Borre, Alfred, i. e. Carl Franz Paul Alfred.** Matériaux pour la faune entomologique du Hainaut; coléoptères. 1.-4. centurie . . . Bruxelles, 1882-89.

4 pts. illus. 23<sup>cm</sup>.

**Rathlef, Harald von.** Coleoptera baltica. Käfer-verzeichniss der Ostseeprovinzen nach den arbeiten von Ganglbauer und Reitter. Hrsg. von H. von Rathlef. [Jurjew (Dorpat) Druck von C. Mattiesen] 1905.

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298 p., 1 l. 25<sup>cm</sup>. (On cover: Archiv für die naturkunde Liv-, Ehst- und Kurlands. Hrsg. von der Naturforscher-gesellschaft bei der Universität Jurjew (Dorpat). 2. ser. Biologische naturkunde. Bd. XII, lfg. 3).

**Redtenbacher, Ludwig.** Coleopteren. Bearb. von Dr. Ludwig Redtenbacher . . . [Wien, 1867]

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iv, 249 p., 5 l. v pl. 30<sup>cm</sup>.

From Novara-expedition. Zoolog. theil. Bd. II, abth. I.

**Redtenbacher, Ludwig.** Fauna austriaca. Die käfer. Nach der analytischen methode, bearb. von Ludwig Redtenbacher . . . 3. gänzlich umgearb. und bedeutend verm. Aufl. . . . Wien, C. Gerold's sohn, 1874.

Agr 4-3592

2 v. in 1. II pl. 24<sup>cm</sup>.

**Redtenbacher, Ludwig.** Die gattungen der deutschen kaefer-fauna nach der analytischen methode bearbeitet, nebst einem kurz gefassten leitfaden, zum studium dieses zweiges der entomologie . . . von Ludwig Redtenbacher . . . Wien, C. Ueberreuter, 1845.

Agr 4-3593

7 p. l., 177, [I] p. II pl. 22<sup>cm</sup>.

"Verzeichniss der schriftsteller und ihrer benützten schriften": p. [171]-175.

**Reitter, Edmund.** Bestimmungs-tabellen der europäischen coleopteren. I. Enthaltend die familien: Cucujidæ, Telmatophilidæ, Tritomidæ, Mycetæidæ, Endomychidæ, Lyctidæ und Sphindidæ . . . (Vorgelegt in der jahres-versammlung am 2. april 1879) [Wien, 1879]

71-100 p. 22<sup>cm</sup>.

From Verhandlungen der K. K. Zoologisch-botanischen gesellschaft 1879, p. 71-100.

**Reitter, Edmund.** Bestimmungs-tabellen der europäischen coleopteren. III. Enthaltend die familien: Scaphidiidæ, Lathridiidæ und Dermestidæ. Von Edmund Reitter. (Vorgelegt in der versammlung am 4. februar 1880) [Wien, 1880]

41-94 p. 22<sup>cm</sup>.

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- Reitter, Edmund.** Bestimmungs-tabellen der europäischen coleopteren. III.  
2. verm. und verb. aufl. Mödling, E. Reitter, 1886.  
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Enthaltend die familien: Cistelidæ, Georyssidæ und Thorictidæ . . . (Mit tafel II.)  
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Enthaltend die familien: Paussidæ, Clavigeridæ, Pselaphidæ und Scydmaenidæ . . .  
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- Reitter, Edmund.** Bestimmungs-tabellen der europäischen coleopteren. XII.  
Necrophoga (Platypsyllidæ, Leptinidæ, Silphidæ, Anisotomidæ und Clambidæ) . . .  
Brünn, 1885.  
122 p. 22½cm.  
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- Reitter, Edmund.** Bestimmungs-tabelle der lucaniden und coprophagen lamellicornen. XXIV. hft. Bearb. von Edmund Reitter . . . Brünn, Verlag des verfassers, 1892.  
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- Sahlberg, John.** Bidrag till Tschuktsch-Halföns insektfauna. Coleoptera och Hemiptera insamlade under Vega-expeditionen vid Halföns norra och östra kust, 1878-1879, beskrifna af John Sahlberg. [Stockholm, 1885]  
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vi p., 1 I., 159, [1] p. 23cm

**Schmidt-Göbel, Hermann Max.** Faunula coleopterorum Birmaniae, adjectis nonnullis Bengaliae indigenis. Auctore Herm. Max. Schmidt-Göbel . . . [Prag, Druck der K. K. Hofbuchdruckerei von G. Haase söhne, 1846] Agr 3—1186  
viii, 94 p. III pl. (2 col.) 28½cm. (*Cover-title:* Med. Dr. Joh. Wilh. Helfer's hinterlassenesammlungen aus vorder- und hinter-Indien. Nach seinem tode im auftrage des Böhm. national-museums unter mitwirkung mehrerer bearb. und hrsg. von Herm. Max. Schmidt-Göbel . . . 1. lfg.)

**Schönfeldt, H. von.** Catalog der coleopteren von Japan mit angabe der bezüglichen beschreibungen und der sicher bekannten fundorte. Zusammengestellt von H. v. Schönfeldt. [Wiesbaden, 1887]

[29]—204 p. 23cm

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— — 2. nachtrag. [Wiesbaden, 1891]

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**Semenov, Andreia Petrovich.** Coleopterorum genera faunae turanicae endemica vel praecipue peculiaria eorumque species . . . [St.-Petersbourg, 1896]

[42]—61 p. 25cm.

From Annuaire du Musée zoologique de l'Académie impériale des sciences de St.-Petersbourg. 1896.

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1 p. l., 32 p. illus. 23½cm.

Insects injurious to fruit gardens in Tashkent. I. Beetles.

Извлечено изъ журнала "Сельское хозяйство и лѣсоводство," изъ no. 5, 1894 г.

**Spry, W.** The British Coleoptera delineated, consisting of figures of all the genera of British beetles, drawn in outline by W. Spry . . . ed. by W. E. Shuckard . . . London, W. Crofts, 1840.

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**Stein, Joh. Phil. Emil Friedrich.** Catalogi coleopterorum Europae ed. 2; auctoribus Dr. J. P. E. Frdr. Stein et Jul. Weise. Berolini, Libraria Nicolai (R. Stricker); [etc., etc.]; 1877.

2 p. l., 212 p. 20½cm.

**Stierlin, W. Gustav.** . . . Bestimmungs-tabellen europäischer rüsselkäfer. II. Brachyderidae. Von Dr. Stierlin . . . [Schaffhausen, 1884]

108 p. 22½cm.

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Separat-abdruck aus den Mittheilungen der Schweiz. entomologischen-gesellschaft, bd. 7, hft. 2, november, 1884.

**Sturm, Jacob.** Insecta coleoptrata, quae in itineribus suis, praesertim Alpinis, collegerunt David Henricus Hoppe, Dr., et Fridericus Hornschuch . . . cum notis et descriptionibus Jacobi Sturm et Jacobi Hagenbach . . . [Halle, 1825]

1 p. l. 479—490 p. col. pl. 27½cm.

From Nova acta Acad. Caes. Leopold.-Carol. Germ. nat. cur. vol. XII.

**Tepper, J. Gottlieb Otto.** The Coleoptera of Lake Callabonna. [Adelaide] 1896.

[212]—216 p. 21cm.

From the Transactions of the Royal society of South Australia, 1896.

**Thomson, Carl Gustaf.** Skandinaviens Coleoptera, synoptiskt bearbetade af C. G. Thomson . . . Lund, Tryckt uti Lundbergska boktryckeriet, 1859—68.

10 v. 22cm.

Vol. 7 issued in 2 pts.

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**Thunberg, Carl Petter.** Coleoptera Capensia, antennis fusiformibus . . . [Upsala, 1821].

157-202 p. pl. 27<sup>cm</sup>.

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**Waterhouse, Charles Owen.** Descriptions of new Coleoptera from Hainan Island, China . . . [London, 1900]

310-312 p. 22½<sup>cm</sup>.

From the Annals and magazine of natural history. 7th series, vol. v.

**Westhoff, Fritz.** Die käfer Westfalens, zusammengestellt von Fr. Westhoff . . . Bonn, In commission bei M. Cohen & sohn (F. Cohen) 1881-82.

2 pts. 22<sup>cm</sup>.

Paged continuously: I. abth., xxviii, 140 p.; II. abth., 1 p. l., 141-323, [1] p.

Supplement zu den Verhandlungen des Naturhistorischen vereins der preussischen Rheinlande und Westfalens. 38. jahrg., 4. folge, 8. jahrg.

**Wollaston, Thomas Vernon.** Catalogue of the coleopterous insects of Madeira in the collection of the British museum. By T. Vernon Wollaston . . . London, Printed by order of the trustees, 1857.

xvi, 234 p. 23<sup>cm</sup>.

"Catalogues of the zoological collection in the British museum," 8 p. at end.

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Cover-title reads: Bestimmungstabellen der europäischen coleopteren. XXIII. hft. Enthaltend die familie der Cicindelidæ. Bearb. von Walther Horn und Hans Roeschke . . .

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[141]-149 p. 25<sup>cm</sup>.

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**Le Conte, John Lawrence.** Synopsis of the Hydrophilidæ of the United States . . . [Philadelphia, 1855]

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**Erichson, Wilhelm Ferdinand.** Genera et species staphylinorum insectorum coleopterorum familiae auctore Guil. F. Erichson . . . Berolini, F. H. Morin.

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**Wasmann, Eric.** Zur biologie und morphologie der Lomechusa-gruppe . . . [Berlin] 1897

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**Matthews, Andrew.** Description of a new genus of Trichopterygidæ, lately discovered in the United States . . . New York [1867]

[406]—413 p. pl. 25<sup>cm</sup>.

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— — Supplement by the Rev. A. Matthews, M. A. Ed. by Philip B. Mason . . . London, O. E. Janson & son, 1900.

2 p. l., 112 p., 1 l. ix—xv pl. 29<sup>1</sup>/<sub>2</sub>.

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4 p. l., 220 p., 1 l. 9 pl. 28½<sup>cm</sup>.

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**Crotch, George Robert.** A revision of the coleopterous family Coccinellidæ. By George Robert Crotch, M. A. London, E. W. Janson, 1874.

Agr 3—328

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**Froggatt, Walter Wilson.** . . . Australian ladybird beetles . . . Sydney, 1902.

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**Weise, Julius.** Bestimmungs-tabellen der europäischen coleopteren. II. Coccinellidæ, von Julius Weise. [Breslau, 1879]

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83 p. 22 $\frac{1}{2}$ cm.

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**Reitter, Edmund.** Bestimmung-tabellen der europäischen coleopteren. XVI. hft. Enthaltend die familien: Erotylidæ und Cryptophagidæ. Bearb. von Edmund Reitter . . . Brünn, 1887.

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#### COLYDIDÆ.

**Horn, George Henry.** Revision of the Bostrichidæ and synopsis of the Colydiidæ. *See under* Bostrichidæ, p. 218.

#### RHYSSODIDÆ.

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2 p. l., 25 p. 18cm.

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#### MYCETOPHAGIDÆ.

**Le Conte, John Lawrence.** Synopsis of the Mycetophagidæ of the United States . . . [Philadelphia, 1856]

12-15 p. 24cm.

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**Künckel d'Herculais, Jules Philippe Alexandre.** . . . De la valeur de l'appareil trachéen pour la distinction de certaines familles de coléoptères (élatérides et buprestides) . . . [Paris, 1886]

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152 p. 25<sup>cm</sup>.

Caption title.

Issued with Miscellanea entomologica.

## CURCULIONIDÆ.

**Aurivillius, Per Olof Christopher.** . . . Conspectus generum et specierum brachyceridarum. Öfersigt af släkten och arter inom familjen Brachyceridæ bland curculioniderna . . . [Stockholm, 1885]

5-24 p. 21½<sup>cm</sup>.

Öfersigt af Kongl. Vetenskaps-akademiens Förhandlingar, 1885, no. 7.

**Aurivillius, Per Olof Christopher.** . . . Curculionines, par M. Chr. Aurivillius . . . [Paris, n. d.]

[205]-224 p. illus. 33<sup>cm</sup>.

At head of title: Collection d'insectes formée dans l'Indo-Chine par M. Pavie . . . Coléoptères curculionides.

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**Aurivillius, Per Olof Christopher.** . . . Revisio monographica microceridarum et protomantinarum. Försök till en monografisk bearbetning af curculionid-grupperna Microceridæ och Protomantinae af Christopher Aurivillius . . . Till Kongl. Vetenskapsakademien inlemnad den 16 september 1885. Stockholm, Kongl. boktryckeriet, P. A. Norstedt & söner, 1887.

Agr 4-3473

87, [20] p. illus., 10 pl. 30½<sup>cm</sup>. (Kongl. Svenska vetenskaps-akademiens handlingar. bandet 21, no. 15)

**Berg, Carlos.** El género Rhyphenes Schönh. en la República Argentina . . . [Buenos Aires] 1899.

[151]-154 p. 24<sup>cm</sup>.

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36 p. 2 pl. 25<sup>cm</sup>.

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[144]-151 p. 20<sup>cm</sup>. (Skoven og dyrelivet 57)

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Særtryk af "Tidsskrift for skovvæsen," i. bd.

**Cook, Orator Fuller.** An enemy of the cotton boll weevil. *See under Formicidæ*, p. 168.

**Cook, Orator Fuller.** Report on the habits of the kelep. *See under Formicidæ*, p. 168.

**Decaux, François.** Insecte nuisible aux pommiers et aux poiriers. *L'Anthonomus pomorum* L. Ses mœurs, avec de nouvelles remarques sur sa nymphose. Moyen rationnel de destruction . . . Paris, 1891.

6 p. 24 $\frac{1}{2}$ <sup>cm</sup>.

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[75]-78 p. illus. 24 $\frac{1}{2}$ <sup>cm</sup>. (*Its* [Leaflet] 1893 [no.] 15)

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4 p. illus. 21 $\frac{1}{2}$ <sup>cm</sup>. (*Its* Leaflet no. 15)

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4 p. illus. 22 $\frac{1}{2}$ <sup>cm</sup>. (*Its* [Leaflet] 1894, [no.] 2)

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Tomus I has an added t.-p.: Synonymia insectorum oder Versuch einer synonymie aller von mir bisher bekannten insekten; von C. J. Schoenherr . . . Mit berichtigungen und anmerkungen, wie auch mit beschreibungen neuer arten. Erster band. Eleutherata oder käfer. Vierter theil. Fam. Curculionides. Paris, Roret, 1833.

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Signed: Ив. Шевыревъ.

Сообщено въ засѣданіи С.-П.-Б. Лѣснаго общества 4 Ноября 1889 г.

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In the Library copy v. 1-2 and the first supplement are from the reprinted edition, whereas v. 3 is made up of the extracts from the Mém. Soc. sc. Lille and has no separate title page. Supplements 2-5 are also extracted from the Mém. Soc. sc. Lille.

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Caption title.  
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pt. 3. 21½<sup>cm</sup>.

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From Proceedings of the Academy of natural sciences of Philadelphia, 1894.

**Lehmann, Johann Georg Christian.** Insectorum species nonnullae vel novae vel minus cognitae, in agro Hamburgensi captae, ex ordine dipterorum. Descripsit et iconibus illustravit Dr. I. G. C. Lehmann . . . [Halle, 1824]

1 p. l., 241-248 p. col. pl. 27<sup>cm</sup>.

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**Loew, Hermann.** Die dipteren-fauna Südafrika's, bearb. von Dr. Herm. Loew . . . 1. abth. . . Aus dem II. bande der Abhandlungen des Naturwissenschaftlichen vereins für Sachsen und Thüringen in Halle besonders abgedruckt. Berlin, G. Boscsmann, 1860.

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xi, 330 p. II pl. 33½<sup>cm</sup>.

**Macquart, Justin i. e. Pierre Justin Marie.** Insectes diptères du nord de la France . . . Par J. Macquart . . . Lille, Impr. de Leleux [1823-33] Agr 3-1079

5 v. 21 pl., 3 fold. tab. 20<sup>cm</sup>.

Vol. 2-5, Impr. de L. Danel.

Reprinted from Recueil des travaux de la Société d'amateurs des sciences, de l'agriculture et des arts à Lille, 1823-24, p. 59-224; 1825, p. 324-499; 1826-27, p. 213-291, and from Mémoires de la Société des sciences à Lille, 1827-28, p. 149-371; 1833, p. 137-368.

CONTENTS.—[v. 1] Tipulaires.—[v. 2] Asiliques, bombyliers, xylotomes, leptides, vesiculeux, stratiomydes, xylophagites, tabaniens.—[v. 3] Platypézines, dolichopodes, empides, hybotides.—[v. 4] Syrphies.—[v. 5] Athéricères, créophiles, cestrices, myopaires, conopsaires, scénopiniens, céphalopsides.

**Meigen, Johann Wilhelm.** Systematische beschreibung der bekannten europäischen zweiflügeligen insekten, von Johann Wilhelm Meigen . . . Aachen F. W. Forstmann, 1818-38.

7 pts. in 4 v. 74 pl. 20½<sup>cm</sup>.

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**Mik, Josef.** Die dipterenfauna von Obladis . . . [Innsbruck, 1892]

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**Osten Sacken, Karl Robert Romanovich, baron von.** Enumeration of the Diptera of the Malay Archipelago collected by Prof. Odoardo Beccari, M<sup>r</sup>. L. M. D'Albertis and others, by C. R. Osten Sacken. Genova, Tipografia del R. istituto dei sordo-muti, 1881.

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104 p. illus. 25½<sup>cm</sup>.

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— — — Supplement by C. R. Osten Sacken. [Genova, Tip. sordo-muti, 1882]

Caption title.

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[133]-134 p. 24<sup>cm</sup>.

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4 p. 24<sup>cm</sup>.

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**Philippi, Rudolf Amandus.** Aufzählung der chilenischen dipteren. Von Dr. R. A. Philippi . . . [Wien, 1865] Agr 5-535

188 p. xxiii-xxix pl. 21 $\frac{1}{2}$ <sup>cm</sup>.

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**Porchinskii, Iosif Aloizievich.** Diptera europaea et asiatica nova aut minus cognita. Auctore J. Portschiński. [St. Petersburg, 1881-91]

pt. 1-3, 7. 1 col. pl. 24<sup>cm</sup>. (pt. 7, 25 $\frac{1}{2}$ <sup>cm</sup>.)

Pars I-III have caption title.

Pars VII has cover-title with title in Russian and Latin.

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**Robineau-Desvoidy, André Jean Baptiste.** Histoire naturelle des diptères des environs de Paris, œuvre posthume du Dr. Robineau-Desvoidy, publiée par les soins de sa famille sous la direction de M. H. Monceaux . . . Paris, V. Masson et fils, [etc., etc.] 1863.

2 v. 1 port. 20 $\frac{1}{2}$ <sup>cm</sup>.

"Liste des différentes publications du Dr. Robineau-Desvoidy sur l'entomologie": v. 1, p. [xiii]-xiv.

"Auteurs consultés": v. 1, p. [xv]-xvi.

"Notice biographique sur le Docteur Robineau-Desvoidy": v. 1, p. 1-40.

**Rondani, Camillo.** Diptera aliqua in America Meridionali lecta a Prof. P. Strobel annis 1866-67, distincta et annotata, novis aliquibus descriptis a Prof. Camillo Rondani. [Modena, 1868] Agr 3-354

17 p., 1 l. 1 pl. 22<sup>cm</sup>.

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(Estratto dall' Annuario della Società dei naturalisti in Modena—Anno III)

**Rondani, Camillo.** Dipterologiae italicae prodromus a. Camillo Rondani . . . [Parmæ, Ex typographia A. Stocchi, 1856-80]

7 v. 19<sup>cm</sup>. (v. 6-7, 21<sup>cm</sup>)

Vol. I has main t.-p.: Genera italica ordinis dipterorum ordinatim disposita et distincta et in familias et stirpis aggregata. 1856. Vol. II-VI have main t.-p.: Species italicae ordinis dipterorum in genera characteribus definata, ordinatim collectæ, methodo analitica distinctæ, et novis vel minus cognitis descriptis. Pars 1-5. 1857-62. The title Dipterologiae italicae in vol. I-V occurs only on half t.-p. which in vol. V is wanting. Vol. VI has no half t.-p., but t.-p. in addition to title Species, etc., has Dipter: ital: prodromi cum supplemento pars VI. Vol. II-V contain Stirpes I-XVI; vol. VI contains Stirpes XVII, Anthomyiinae, reprinted from Atti della Società italiana di scienze naturali, 1866, and also 3 supplementary fascicles bearing title: Diptera italica non vel minus cognita descripta vel annotata observationibus nonnullis additis, reprinted from same periodical, vol. VIII-XI, 1865-68. Vol. VII has no general t.-p. or continuous paging, but consists of extracts as follows: Scatophaginae italicae collectæ distinctæ et in ordinem dispositæ . . . Dipterol. ital. prodromi pars VII, fasc. I, Dipterorum stirpis XVIII; and Sciomyzinae italicae collectæ, distinctæ et in ordinem dispositæ . . . Dipterol. ital. prodromi pars VII, fasc. II, Dipterorum stirpis XIX; both the preceding reprinted from Atti della Società italiana di scienze naturali, vol. X-XI, 1866-68; Ortalidinae italicae collectæ, distinctæ et in ordinem disposita . . . Dipterologiae italicae prodromi pars VII, fasc. 3-4, Dipter. stirpis XX, reprint of 5 articles in Bollettino della Società entomologica italiana, vol. I-III, 1869-71; and 5 articles reprinted from the above periodical, vol. VI-XII, 1874-80, with title Species italicae ordinis Dipterorum (Muscaria Rndn.) Stirps XXI-XXV, Stirps XXI, Tanipezinae Rndn., stirps XXII, Loncheinae Rndn., stirps XXIII, Agromyzinae, stirps XXIV, Chylizinae Rndn., stirps XXV, Copromyzidae Zett.



**Rondani, Camillo.** . . . Specierum italicarum ordinis dipterorum catalogus notis geographicis auctus a prof. Camillo Rondani. (Seduta del 16 settembre 1868) fasc.

1. Oestridæ, Syrphidæ, Sonopidæ. [Milano, Tip. Bernardoni, 1868]

48, [1] p. 21½<sup>cm</sup>.

Caption title.

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**Schiner, J. Rudolf.** Catalogus systematicus dipterorum Europæ, auctore R. J. Schiner, Dr. Vindobonæ, Impensis Societatis zoologico-botanicæ editus, 1864.

xii, 115 p., 21½<sup>cm</sup>.

**Schiner, J. Rudolf.** Diptera. Bearb. von Dr. J. R. Schiner . . . [Wien, 1868]  
vi, 3-388 p., 3 l. iv pl. 31<sup>cm</sup>. (Novara expedition. Zoologischer theil. Bd ii) Agr 3-357

**Schiner, J. Rudolf.** Fauna austriaca. Die fliegen (Diptera). Nach der analytischen methode bearbeitet, mit der charakteristik sämtlicher europäischer gattungen, der beschreibung aller in Deutschland vorkommenden arten und der aufzählung aller bisher beschriebenen europäischen arten, von J. Rudolph Schiner . . . Wien, C. Gerold's sohn, 1862-64.

2 v. 23<sup>cm</sup>.

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**Schoch, Gustav.** Fauna insectorum Helvetiæ. Diptera. Die familien der fliegen und die genera und species der waffenfliegen, bremsen, schwebfliegen und raubfliegen. Analytisch zusammengestellt von Dr. Gustav Schoch. Schaffhausen, Buchdruckerei von Bolli & Böcherer, 1890.

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[593]-620 p. 24<sup>cm</sup>.

Extract from Proc. Cal. acad. sci. ser. 2, vol. iv.

**Verrall, George Henry.** British flies . . . vol. viii. By G. H. Verrall. London, Gurney & Jackson, 1900.

3 p. l., 691, 121 p. front. (port.) illus. 25<sup>cm</sup>.

"Catalogue of the Platyperidæ of the European district with references and synonymy. By G. H. Verrall. 1900." p. 1-6 at end; "Catalogue of the Pipunculidæ of the European district with references and synonymy. By G. H. Verrall. 1900." p. 7-16 at end; "Catalogue of the Syrphidæ of the European district with references and synonymy. By G. H. Verrall. 1900." p. 17-120 at end.

CONTENTS.—VIII. Platypezidæ, Pipunculidæ and Syrphidæ of Great Britain.

**Walker, Francis.** Insecta britannica. Diptera . . . By Francis Walker, F. L. S. London, Reeve and Benham, 1851-56.

3 v. xxx pl. 23<sup>cm</sup>.

**White, Adam.** List of the specimens of British animals in the collection of the British museum. Pt. xv. Nomenclature of diptera. i. London, Printed by order of the trustees, 1853.

2 p. l., 42 p. 18<sup>cm</sup>.

Printed on one side of leaf only.

**Wulp, Frederick Maurits van der.** . . . Diptera, door F. M. van der Wulp. [Leiden, 1881]

60 p. iii col. pl. 28½<sup>cm</sup>.

At head of title: Natuurlijke historie. Negende afdeeling.

From Midden-Sumatra, Reisen en onderzoekingen der Sumatra-Expeditie, iv, 2<sup>de</sup> aflevering.

Caption title.

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**Wulp, Frederick Maurits van der.** Nieuwe naamlijst van nederlandsche diptera, door F. M. van der Wulp en Dr. J. C. H. de Meijere . . . 's Gravenhage, M. Nijhoff, 1898.

4 p. l., 149 p. 24½cm.

Uitgegeven door de Nederlandsche entomologische vereeniging als Bijvoegsel tot deel xli van het Tijdschrift voor entomologie.

**Zetterstedt, Johann Wilhelm.** Diptera Scandinaviæ disposita et descripta. Auctore ph. d: re Johanne Wilhelm Zetterstedt . . . Lundæ, ex officina Lundbergiana, sumtibus auctoris, 1842-60.

14 v. front. (port.) 19½cm.

Paged continuously, 6609 p.

Imprint of v. 4-12: ex officina Lundbergiana, sumtibus regiis, 1845-60.

## FAMILIES.

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**Akerly, Samuel.** An account of the wheat insect of America, or the *Tipula vaginalis tritici*, commonly called the Hessian fly. [New York, 1817]

275-279 p. illus. 23cm.

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**Bremi-Wolf, Johann Jacob.** Beiträge zu einer monographie der gallmücken, *Cecidomyia* Meigen, von J. J. Bremi in Zürich. [Zürich, Auf kosten der gesellschaft gedruckt von Zürcher & Furrer; etc., etc., 1847]

71 p. 2 col. pl. 25½cm.

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**Campbell, Francis Maule.** The Hessian fly, a paper read before the Hertfordshire natural history society, on the 24th of May, 1887, at Hertford . . . Hertford, 1887.

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From the 'Transactions of the Hertfordshire natural history society,' vol. iv, part 6, August, 1887.

**Cobb, N. A.** Insect-larva (*Cecidomyia* sp.) eating rust on wheat and flax . . . by N. A. Cobb and A. Sidney Olliff. Sydney, 1891.

[67]-70 p. illus. 25cm.

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**Cook, Albert John.** The Hessian fly. A lecture . . . delivered at Farmer's institutes held at Paw Paw and Climax, Mich., 1878 . . . [n. p., 1878]

14 p. illus. 23cm.

**Dawson, John William.** Notice of specimens of the wheat midge from Nova Scotia . . . [Philadelphia, 1849]

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From Proceed. Acad. nat. sci. of Philadelphia.—vol. iv, no. xi.

**Fernald, Henry Torsey.** . . . The Hessian fly in wheat; its life history and treatment . . . [Harrisburg] 1898.

4 p. illus. 21½cm.

At head of title: Commonwealth of Pennsylvania. Department of Agriculture. Division of zoology.

**Fitch, Asa.** The Hessian fly, its history, character, transformations and habits. By Asa Fitch . . . Albany, printed by J. Munsell, 1846.

Agr 5—516

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**Fletcher, James.** The clover-seed midge (*Cecidomyia leguminicola*, Lintner) [Ottawa, 1886]

[3] p. illus. 21½cm.

Pub. by the Dept. of agriculture, Ottawa.

**Forbes, Stephen Alfred.** Contribution to a knowledge of the life history of the Hessian fly (*Cecidomyia destructor*, Say). Springfield, Ill., 1887.

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**Froggatt, Walter Wilson.** . . . The Hessian fly (*Cecidomyia destructor*, Say) and allied grain pests . . . Sydney, 1900.

1 p. l., 6 p. pl. 24½ cm. (Department of agriculture, Sydney, New South Wales. Miscellaneous publication, no. 369)

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**Garman, Harrison.** Time of emergence and oviposition of the spring brood of the Hessian fly. (U. S. Agriculture, Dept. of—Experiment stations, Office of. Bulletin 115. Washington, 1902. pp. 127–128)

**Great Britain—Board of agriculture.** . . . The pear midge. (*Diplosis pyrivora*, Riley. *Cecidomyia nigra*, Meigen.) [London, 1898]

4 p. illus. 22 cm. (*Its* Leaflet no. 53)

**Great Britain—Dept. of agriculture.** Copies of circulars and memoranda which have been issued by the Lords of the committee of Council for agriculture relating to the Hessian fly. Presented to both Houses of Parliament by command . . . London, Printed for H. M. Stationery off., by Eyre and Spottiswoode, 1887.

18 p. illus. 24 cm.

Largely by Charles Whitehead.

**Haberlandt, Friedrich.** *Cecidomyia destructor* Say. Weizengallmücke oder weizenverwüster . . . Wien, 1864.

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**Harker, Allen.** On the gall-midges (*Cecidomyidæ*) An introductory paper . . . Gloucester [Eng.] 1887.

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**Herrick, E. C.** Observations communicated at the request of the Hon. H. L. Ellsworth by E. C. Herrick, librarian of Yale College, Conn. The Hessian fly. (U. S. Patent office. Report of the Commissioner of patents, showing the operations of the Patent office during the year 1844. Washington, 1845. p. 161–167)

**Kieffer, Jean Jaques.** Description de quelques larves de cécidomyies . . . [Paris, 1895]

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**Kieffer, Jean Jaques.** Observations sur les nymphes des cécidomyies . . . [Paris, 18—]

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Extrait de l'Ami des sciences naturelles.

**Kieffer, Jean Jaques.** Synopse des cécidomyies d'Europe et d'Algérie décrites jusqu'à ce jour, par l'abbé J.-J. Kieffer, professeur à Bitche. <Novembre 1897> [n. p., 1897?]

63 p. 21½ cm.

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From Revue d'entomologie.



**Kieffer, Jean Jaques.** Ueber lothringische gallmücken . . . [Wien, 1890]

10 p. 23<sup>cm</sup>.

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**Kirk, Thomas W.** . . . Hessian fly (*Cecidomyia destructor*) . . . [Wellington, 1893?]

[2] p. illus. 24½<sup>cm</sup>. (New Zealand, Department of agriculture. Leaflets for farmers, no. 1)

**Lindemann, Karl Eduardovich.** Гессенская муха (*Cecidomyia destructor*). К. Э. Линдемана. [н. п., 188-?]

31 p. 21<sup>cm</sup>.

The Hessian fly.

**Lindemann, Karl Eduardovich.** Гессенская муха. Монографія профессора К. Э. Линдемана. Черниговъ, Земская типографія, 1889. Agr 4-489

1 p. l., 115, [1] p. 27<sup>cm</sup>.

Hessian fly. A monograph.

Издание редакціи "Земскаго сборника Черниговской губ."

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1 p. l., 103 p. illus. 23½<sup>cm</sup>.

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**Löw, Franz.** Beiträge zur kenntniss der gallmücken . . . [Wien, 1874]

20 p. pl. 22<sup>cm</sup>.

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**Löw, Franz.** Bemerkungen über Weyenbergh's Lasioptera hieronymi . . . [Wien, 1885]

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**Löw, Franz.** Mittheilungen über gallmücken . . . Wien, 1878.

22 p. pl. 22<sup>cm</sup>.

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40 p. pl. 22<sup>cm</sup>.

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**Marchal, Paul.** La cécidomyie de l'avoine (*Cecidomyia avenæ*, nov. sp.) . . .  
[Paris, 1895]  
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From Comptes rendus des séances de l'Académie des sciences, vol. 120, p. 1283-1285.

**Marlatt, Charles Lester.** Hessian fly (*Cecidomyia destructor* Say) Washing-  
ton, 1895.

4 p. 23<sup>cm</sup>. (U. S. Agriculture, Dept of—Entomology, Division of. Circular, ser. 2, no. 12)

**Meinert, Frederik Vilhelm August.** Om æggets anlæg og udvikling og om  
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1 p. l., [345]-378 p. pl. 22½<sup>cm</sup>.

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**Ormerod, Eleanor Anne.** The Hessian fly, *Cecidomyia destructor* in Great Bri-  
tain: being observations and illustrations from life. With means of prevention and  
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15–17 p. 24½<sup>cm</sup>.

From Proceedings of the Academy of natural sciences of Philadelphia, Jan. 1860.

**Osten Sacken, Karl Robert Romanovich, baron von.** Die Tanyderina, eine merkwürdige gruppe der tipuliden . . . [Wien, 1879]

6 p. illus. 22½<sup>cm</sup>.

Aus den Verhandlungen der K. K. Zoologisch-botanischen gesellschaft in Wien <jahrg. 1879> besonders abgedruckt [p. 517–522]

**Schummel, Theodor Emil.** Versuch einer genauen beschreibung de[!] in Schlesien einheimischen arten der gattung *Tipula*. Meigen. Bachmücke. Von T. E. Schummel . . . Breslau, E. Pelz, 1833.

Agr 5–531

1 p. l., vi, [9]–128 p. 3 pl. (1 col.) 18½<sup>cm</sup>. (*Added t. p.*: Beiträge zur entomologie besonders in bezug auf Schlesien. Hrsg. von T. E. Schummel und Fr. Herrn. Stannius . . . III)

## SIMULIDÆ.

**Fuller, Claude.** . . . A new poultry pest . . . Cape Town [1899]

8 p. illus. 24½<sup>cm</sup>. (Cape of Good Hope. Department of agriculture. [Publications] no. 1, 1899)

Reprinted from the Agricultural journal of January 5, 1899.



**Planchon, Jules Émile.** Histoire d'une larve aquatique du genre *Simulium*; par J.-E. Planchon . . . Montpellier, Typographie et lithographie de Boehm, 1844. 15 p. 28½cm.

**Schönbauer, Joseph Anton.** Geschichte der schädlichen kolumbatczer mücken im Bannat, als ein beytrag zur naturgeschichte von Ungarn. Von Joseph Anton Schönbauer . . . Wien, Gedruckt bey A. A. Patzowsky, 1795. 4 p.l., 100 p. col. pl. 27cm.

**Tömösváry, Ödön.** Die kolumbaczer mücke. Im auftrage des Königl Ung. ministeriums für ackerbau, industrie und handel verfasst von Dr. Edmund Tömösváry. Uebersetzt von Johann Wený . . . Ung.-Weisskirchen, T. Hepke [1885] 23, [1] p. pl. 22½cm.

**Webster, Francis Marion.** Buffalo gnats (*Simulidæ*) in Indiana and Illinois . . . [Terre Haute, Ind., 1892] 155-159 p. 22cm.  
From the Proceedings of the Indiana academy of science, 1891.

**Webster, Francis Marion.** *Simulium*, or buffalo gnats. (U. S. Agriculture, Dept. of—Animal industry, Bureau of. Fourth and fifth annual reports for the years 1887 and 1888. Washington, 1889. p. 456-465)

**Webster, Francis Marion.** . . . The suppression and control of the plague of buffalo gnats in the valley of the lower Mississippi river, and the relations thereto of the present levee system, irrigation in the arid west and tile drainage in the middle west . . . [Syracuse, 1904] [53]-72 p. illus. 23cm.  
From the Proceedings of the twenty-fifth annual meeting of the Society for promotion of agricultural science.

#### LEPTIDÆ.

**Bigot, Jacques Marie Frangile.** . . . Diptères nouveaux ou peu connus . . . Leptidi J. B. [Paris, 1887] 22 p., 1 l. 22½cm.  
Extrait du Bulletin de la Société zoologique de France, t. XII, 1887.

**Burgess, Edward.** Two interesting American Diptera. *See under Bombyliidæ*, p. 263.

**Osten Sacken, Karl Robert Romanovich, baron von.** . . . A list of the Leptidæ, Mydæidæ and Dasypogonina of North America . . . [Buffalo, 1874] 169-187 p. 24½cm.  
From Bul. Buf. soc. nat. sci. October, 1874.

#### XYLOPHAGIDÆ.

**Fallén, Karl Fredrik.** *Tabanii et xylophagei Sueciæ.* *See under Tabanidæ*, p. 261.

#### STRATIOMYIDÆ.

**Fallén, Karl Fredrik, præses.** *Stratiomydæ Sueciæ.* Quarum descriptionem venia ampl. fac. philos. lund. præside Carolo Fr. Fallen . . . pro laurea publicæ disquisitioni subjicit Olaus N. Olander . . . Lundæ, literis Berlingianis, 1817. Agr 3-166 1 p.l., 14 p. 21 x 18cm.  
Forms part of his *Dipterorum, antennis parum articulatis instructorum, sectio prior* (*Diptera suecica*, v. 1) *See his Dispositio dipterorum synoptica*, p. 7-8; Hagen, *Bibliotheca entomologica*, v. 1, p. 227.

#### TABANIDÆ.

**Bigot, Jacques Marie Frangile.** . . . Diptères nouveaux ou peu connus . . . [Genre *Hæmatopota*] Paris, 1891. cover-title, 6 p. 25½cm.  
Extrait du Bulletin de la Société zoologique de France [t. XVI, p. 74, séance du 24 février 1891]

**Bigot, Jacques Marie Frangile.** . . . Diptères nouveaux ou peu connus . . . [Tabanidi (J. B.)] Paris, 1891.

cover-title, 12 p. 25½<sup>cm</sup>.

Extrait des Mémoires de la Société zoologique de France [t. iv, p. 408, année 1891]

**Brauer, Friedrich.** Beitrag zur verwandlungsgeschichte der regenbremse (Hæmatopota pluvialis L.) . . . [Wien, 1869]

2 p. pl. 22<sup>cm</sup>.

Aus den Verhandlungen der K. K. Zoolog.-botanischen gesellschaft in Wien <jahrg. 1869> besonders abgedruckt.

**Fallén, Karl Fredrik.** Tabanii et xylophagei Sueciæ. Quorum descriptionem venia ampl. facult. philos. lund. præside Carolo Fr. Fallén . . . pro laurea publicæ disquisitioni subijcit Gust. Wahlberg . . . Lundæ, literis Berlingianis, 1817.

14 p. 21 x 18<sup>cm</sup>.

Agr 3—161

Forms part of his Diptorum, antennis parum articulatis instructorum, sectio prior (Diptera suecica, v. 1) See his Dispositio diptorum synoptica, p. 7-8; Hagen, Bibliotheca entomologica, v. 1, p. 227.

**Hine, James Stewart.** . . . Tabanidae of Ohio, with a catalogue and bibliography of the species from America north of Mexico. [By] James S. Hine . . . Columbus, Press of Spahr & Glenn, 1903.

Agr 3—920

57, [6] p. incl. 2 pl. 23<sup>cm</sup>. (Ohio state academy of science. Special papers, no. 5)

On cover: . . . Ohio state university. Contributions from the Dept. of zoology and entomology, no. 10 . . . <Reprinted from Ohio academy of science, Special papers, no. 5, 1903.> Columbus, Pub. by the University, 1903.

"A partial bibliography of literature on North American Tabanidæ published previous to Osten Sacken's prodrome of a monograph of the Tabanidæ of the United States": p. 15-19.

**Hine, James Stewart.** . . . Tabanidae of the western United States and Canada, by James S. Hine . . . Columbus, Published by the University, 1904.

[217]-248 p. 23½<sup>cm</sup>. (Ohio state university. Contributions from the Department of zoology and entomology. no. 21)

Reprinted from Ohio naturalist, vol. v, pages 217-248, December, 1904.

"List, synonymy, and bibliography of species treated in this paper": p. 245-248.

**Kertész, Colomann.** Catalogus tabanidarum orbis terrarum universi, conscripsit Dr. Colomannus Kertész. (A Musæo nationali hungarico editus) Budapestini, typis Societatis Franklinianæ, 1900.

78, [1] p. 27<sup>cm</sup>.

From Természetráji füzetek, v. XXIII, 1900.

**Loew, Hermann.** Versuch einer auseinandersetzung der europäischen Chrysops-arten . . . [Wien, 1858]

[613]-634 p. 20½<sup>cm</sup>.

From Verhandlungen der K. K. Zoologisch-botanischen gesellschaft in Wien. jahrg. 1858.

**Loew, Hermann.** Zur kenntniss der europäischen Tabanus-arten . . . [Wien, 1858]

[573]-612 p. 20½<sup>cm</sup>.

From Verhandlungen der K. K. Zoologisch-botanischen gesellschaft in Wien. jahrg. 1858.

**Osten Sacken, Karl Robert Romanovich, baron von.** . . . Prodrome of a monograph of the Tabanidæ of the United States . . . By C. R. Osten Sacken. Boston, Published by the Society, 1875-76.

Agr 4—3578-9

2 pts. 28<sup>cm</sup>.

From the Memoirs of the Boston society of natural history. vol. 2, p. 365-397, 421-479.

CONTENTS.—pt. I. The genera Pangonia, Chrysops, Silvius, Hæmatopota, Diabasis.—pt. II. The genus Tabanus.

— — Supplement. [Boston, 1875]

Agr 4—3578-9

555-560 p. 28<sup>cm</sup>.

Caption title.

From the Memoirs of the Boston society of natural history. vol. 2, p. 555-560.

**Townsend, Charles Henry Tyler.** On the horse flies of New Mexico and Arizona . . . [Topeka, 1893]

133-135 p. 23<sup>cm</sup>.

From Transactions of the Twenty-fourth and twenty-fifth annual meetings of the Kansas academy of science (1891-'92) vol. XIII.

**Williston, Samuel Wendell.** Notes and descriptions of North American Tabanidæ . . . [Topeka, Kan., 1887]  
129-142 p. 22<sup>cm</sup>.  
From Transactions of the eighteenth and nineteenth annual meetings of the Kansas academy of science, (1885-86) vol. x.

**Williston, Samuel Wendell.** Some interesting new Diptera. *See below under Nemistrinidæ.*

## ASILIDÆ.

**Fallén, Karl Fredrik, præses.** Asilici Sueciæ. Quorum descriptionem cons. ampl. facult. philos. lund. præside Carolo Fr. Fallén . . . pro laurea publicæ disquisitioni subjicit Johannes Gust. Waldenström . . . Lundæ, litteris Berlingianis, 1814. Agr 3-164

1 p. l., 14 p. 18½ x 16<sup>cm</sup>.

Forms part of his Dipteriorum, antennis parum articulatis instructorum, sectio prior (Diptera suecica, v. 1) See his Dispositio dipteriorum synoptica, p. 7-8; Hagen, Bibliotheca entomologica, v. 1, p. 227.

**Loew, Hermann.** Bemerkungen über die familie der asiliden. Vom Prof. Dr. H. Loew . . . Berlin, E. S. Mittler & sohn, 1851.

22 p. 24 x 19½<sup>cm</sup>.

**Osten Sacken, Karl Robert Romanovich, baron von.** A list of the Leptidæ, Mydaidæ and Dasypogonina of North America. *See under Leptidæ.*

**Schiner, J. Rudolf.** Wiedemann's asiliden. Interpretirt und in die mittlere errichteten neuen gattungsgruppen eingereiht; nebst einem verzeichnisse der bisher publicirten asiliden . . . Wien, 1866.

1 p. l., 74 p. 1 pl. 21½<sup>cm</sup>.

Original plate wanting. Copy substituted.

Separat-abdruck aus den Verhandlungen der K. K. Zoolog.-botan. gesellschaft in Wien, jahrgang 1866, bd. xvi.

## APIOCERIDÆ.

**Coquillett, Daniel William.** A new Rhapsiomidas from California. [n. p., 1891?]

12-14 p. 24½<sup>cm</sup>.

From the West American scientist, v. 7, p. 84-86.

**Williston, Samuel Wendell.** . . . On the Apioceridæ and their allies . . . [Lawrence, Kan., 1893]

101-118 p., 2 l. illus., ix-x pl. 24½<sup>cm</sup>.

From Kansas university quarterly. vol. i, no. 3, January, 1893.

## NEMISTRINIDÆ.

**Brauer, Friedrich.** Entomologische beiträge . . . Wien, 1884.

6 p. pl. 22<sup>cm</sup>.

Aus den Verhandlungen der K. K. Zoologisch-botanischen gesellschaft in Wien <jahrg. 1884> besonders abgedruckt.

**Riley, Charles Valentine.** Larval stages and habits of the bee-fly, Hirmoneura. [Cambridge, Mass., 1883]

[2] p. illus. 20<sup>cm</sup>.

From Science, v. 1, p. 332-334.

**Williston, Samuel Wendell.** . . . Some interesting new Diptera . . . [New Haven? 1880]

cover-title, [243]-246 p. illus. 22½<sup>cm</sup>.

From Transactions of Connecticut academy, vol. iv, pt. 2, 1880.



## RHOPALOMERIDÆ.

**Thomas, Friedrich August Wilhelm.** Zwei hochalpine Rhopalomyia-arten

. . . Wien, 1893.

9 p. illus. 23<sup>cm</sup>.

Aus den Verhandlungen der K. K. Zoologisch-botanischen gesellschaft in Wien <jahrg. 1893> besonders abgedruckt.

## MIDAIDÆ.

**Osten Sacken, Karl Robert Romanovich, baron von.** A list of the Leptidae, Mydaiidae and Dasypogonina of North America. *See under* Leptidæ, p. 260.

**Wiedemann, Christian Rudolph Wilhelm.** Monographia generis midarum a C. R. G. Wiedemann . . . (Academiae trad. d. vi. jul. a. MCCCXXXIX) [Halle, 1831]

1 p. l., [21]-56 p. LII-LIV col. pl. 28½<sup>cm</sup>.

From Nova acta Acad. Caes. Leop.-Carol. germ. 15, p. 2.

## BOMBYLIIDÆ.

**Burgess, Edward.** . . . Two interesting American Diptera, Glutops singularis and Epibates Osten-Sackenii . . . [Boston, 1878]

cover-title, 320-324 p. pl. 23<sup>cm</sup>.

From the Proceedings of the Boston society of natural history, vol. XIX, February 27, 1878.

**Coquillett, Daniel William.** New Bombylidæ of the group Paracosmus. [Orcutt, Calif., 1891]

3-6 p. 25<sup>cm</sup>.

From Science and horticulture, vol. I, no. 5, September 1891.

**Coquillett, Daniel William.** Revision of the bombylid genus Aphœbantus. [n. p., 1891?]

6-16 p. 24<sup>cm</sup>.

From the West American scientist, v. 7, p. 254-264.

**Fallén, Karl Fredrik, præses.** Anthracides Sueciæ . . . Lundæ, litteris Berlingianis.

Aggr 3—162

8, [2], 9-16 p. 22½ x 17½<sup>cm</sup>.

Dis.—Lund.

Consists of two dissertations, each having its own title-page, but with text and paging continuous. p. 1-8: respondent, Eric. Henricus Berglund. p. 9-16: respondent, Haquinus Lundberg.

Forms part of his Dipteriorum, antennis parum articulatis instructorum, sectio prior (Diptera suecica, v. 1) See his Dispositio dipteriorum synoptica, p. 7-8; Hagen, Bibliotheca entomologica, v. 1. p. 227.

**Fallén, Karl Fredrik.** Platypezinæ et Bombylarii sueciæ. *See under* Platypezidæ, p. 266.

**Townsend, Charles Henry Tyler.** The pupa of Argyramœba cædipus Fab. [Philadelphia, 1893]

60-63 p. 24<sup>cm</sup>.

From the American naturalist, January, 1893.

## SCENOPINIDÆ.

**Fallén, Karl Fredrik.** Scenopinii et Conopsariæ Sueciæ. *See under* Conopidæ, p. 265.

## ACROCERIDÆ.

**Brauer, Friedrich.** Beitrag zur biologie der acroceriden . . . [Wien, 1863]

4 p. pl. 22½<sup>cm</sup>.

Aus den Verhandlungen der K. K. Zoolog.-botanischen gesellschaft in Wien <jahrg. 1869> besonders abgedruckt.

## EMPIDÆ.

**Coquillett, Daniel William.** . . . Revision of the North American Empidæ—a family of two-winged insects . . . Washington, 1896.

387-440 p. 25<sup>cm</sup>.

From the Proceedings of the United States national museum, vol. xviii, p. 387-440 [No. 1073]

**Fallén, Karl Fredrik, præses.** Empidiæ Sueciæ . . . Lundæ, litteris Berlingianis, 1815-16. Agr 3-165

16, [2], 17-24 p., 1 l., 25-34 p. 18½ x 16<sup>cm</sup>.

Inaug.-dis.—Lund.

Consists of three dissertations, each having its own title-page, but with text and paging continuous. p. 1-16: respondent, Petrus Nicol. Rhodin; pub. 1815. p. 17-24: respondent, Nicolaus Kihlgren; pub. 1816. p. 25-34: respondent, Laur. Magn. von Bergen; pub. 1816.

Forms part of his Dipterorum, antennis parum articulatis instructorum, sectio prior (Diptera suecica, v. 1) See his Dispositio dipterorum synoptica, p. 7-8; Hagen, Bibliotheca entomologica, v. 1, p. 227.

## DOLICHOPODIDÆ.

**Aldrich, John Merton.** New genera and species of Psilopinæ . . . [Lawrence, Kan., 1893]

[47]-50 p. 24½<sup>cm</sup>.

From the Kansas university quarterly, vol. ii, no. 1, July, 1893.

**Aldrich, John Merton** . . . Revision of the genera Dolichopus and Hygroceuleuthus . . . [Lawrence, Kan., 1893]

26 p., 1 l. pl. 24½<sup>cm</sup>.

From the Kansas university quarterly, vol. ii, no. 1, July, 1893.

**Fallén, Karl Fredrik, præses.** Monographia dolichopodum Sueciæ . . . Lundæ, literis Berlingianis, 1823. Agr 3-180

1 p. l., 8, [2], 9-16 p., 1 l., 17-24 p. 22 x 18<sup>cm</sup>.

Dis.—Lund.

Consists of three dissertations, each having its own title-page, but with text and paging continuous. pt. i: respondent, Nicol. Henr. Lovén. pt. ii: respondent, Carolus Ericus Lindberg. pt. iii: respondent, Carolus Gustavus Wieselquist.

At end of pt. iii: "Voluminis 2:i finis."

Forms part of his Diptera suecica, v. 2. See Hagen, Bibliotheca entomologica, v. 1, p. 227.

**Roubaud.** Sur des larves marines de dolichopodes attribuées au genre Aphrosyllus (Wlkr.) . . . [Paris, 1904]

3 p. 23<sup>cm</sup>.

Extrait du Bulletin du Muséum d'histoire naturelle, 1903, no. 7, p. 338-340.

**Snodgrass, Robert E.** . . . The hypopygium of the Dolichopodidæ. By Robert E. Snodgrass . . . San Francisco, The Academy, 1904. 4-30944

1 p. l., 273-294 p. xxx-xxxiii pl. 25½<sup>cm</sup>. (Proceedings of the California academy of sciences. Third series. Zoology. vol. iii, no. 10)

"Issued September 28, 1904."

**Wheeler, William Morton.** . . . A genus of maritime Dolichopodidæ new to America. By William Morton Wheeler . . . San Francisco, The academy, 1897.

1 p. l., 145-152 p. pl. 25½<sup>cm</sup>. (Proceedings of the California academy of sciences. 3d ser. Zoology. vol. i, no. 4)

**Wheeler, William Morton.** . . . New species of Dolichopodidæ from the United States. By William Morton Wheeler . . . San Francisco, The academy, 1899.

1 p. l., 84 p. iv pl. 25<sup>cm</sup>. (Proceedings of the California academy of sciences. 3rd ser. Zoology. vol. ii, no. 1)

## SYRPHIDÆ.

**Arribáizaga, Félix Lynch.** Dipterologia argentina. Syrphidæ . . . Buenos Aires, 1891.

181 p. pl. 26<sup>cm</sup>.

Estracto publicado en los Anales de la Sociedad científica argentina. tomo xxxii, páginas 80 y siguientes.

"Bibliografía:" p. 165-170.

**Becker, Theodor.** . . . Revision der gattung *Chilosia* Meigen. Von Th. Becker . . . Mit 13 tafeln nr. XI-XXIII. Eingegangen bei der Akademie am 7. december 1892. Halle, 1894.

327 p. 13 pl. 32½cm. (Nova acta der Ksl. Leop.-Carol. deutschen akademie der naturforscher. bd. LXII, nr. 3)

"Litteratur": p. 11-12.

**Fallén, Karl Fredrik, præses.** *Syrphici Sueciæ* . . . Lundæ, literis Bergianis, 1816-17. Agr 3-167

1 p. 1., 14, [2], 15-22, [2], 23-30, [2], 31-42, [2], 43-62 p. 21½ x 18cm.

Dis.—Lund.

Consists of six dissertations, each having its own title-page, but with text and paging continuous. p. 1-14: respondent, Nicol. Paulsson; pub. 1816. p. 15-22: respondent, C. A. A. Hempel; pub. 1816. p. 23-30: respondent, Benedict, Carlstedt; pub. 1817. p. 31-42: respondent, Johannes Lindberg; pub. 1812 [i. e. 1817] p. 43-54: respondent, Magnus Bergquist; pub. 1817. p. 55-62: respondent, von Bergen; pub. 1817.

Title-page for p. 55-62 is wanting.

Forms part of his *Dipterorum, antennis parum articulatis instructorum, sectio prior* (Diptera suecica, v. 1) See his *Dispositio dipterorum synoptica*, p. 7-8; Hagen, *Bibliotheca entomologica*, v. 1, p. 227.

**Gazagnaire, Joseph.** Importance des caractères zoologiques fournis par la lèvre supérieure chez les syrphides (diptères) . . . [Paris, 1883]

4 p. 27 x 22cm.

From *Comptes rendus* . . . de l'Académie des sciences, v. 96.

**Osten Sacken, Karl Robert Romanovich, baron von.** . . . Additional notes in explanation of the bugonia-lore of the ancients. Heidelberg, J. Hoerning, 1895.

23 p. illus. 23cm.

Agr 5-533

At head of title: C. R. Osten Sacken.

**Osten Sacken, Karl Robert Romanovich, baron von.** . . . A list of the North American Syrphidæ . . . [Buffalo, 1875]

38-71 p. 24½cm.

From *Bull. Buf. soc. nat. sci.*, November-December, 1875.

**Osten Sacken, Karl Robert Romanovich, baron von.** On the North American species of the genus *Syrphus* (in the narrowest sense) . . . [Boston, 1875]

135-153 p. 22cm.

From the *Proceedings of the Boston society of natural history*, vol. XVIII, Oct. 6, 1875.

**Osten Sacken, Karl Robert Romanovich, baron von.** . . . On the oxen-born bees of the ancients (bugonia) and their relation to *Eristalis tenax*, a two-winged insect. Enl. ed. of the essay: On the so-called bugonia of the ancients, etc., pub. in the *Bullet. Soc. ent. ital.* 1893. Heidelberg, J. Hoerning, 1894. Agr 5-534

xiv, 80 p. 23cm.

At head of title: C. R. Osten Sacken.

"Notice on some of the authorities consulted": p. [viii]-xi.

**Williston, Samuel Wendell.** Contribution to a monograph of the North American Syrphidæ . . . [Philadelphia, 1882]

[299]-332 p. 23cm.

From *Proc. Amer. philos. soc.* xx.

**Williston, Samuel Wendell.** . . . Synopsis of the North American Syrphidæ. By Samuel W. Williston . . . Washington, Gov't print. off., 1886.

xxx, 335 p. XII pl. 24cm. (Dep't of the interior. U. S. national museum. *Bulletin of the United States national museum*, no. 31)

## CONOPIDÆ.

**Fallén, Karl Fredrik, præses.** *Scenopinii et Conopsariæ Sueciæ. Quorum descriptionem venia ampl. facult. philos. lund. præside Carolo Fr. Fallén* . . . pro laurea publicæ disquisitioni subicit Nicol. Magn. Krok . . . Lundæ, literis Bergianis, 1817. Agr 3-168

14 p. 21½ x 18cm.

Forms part of his *Dipterorum, antennis parum articulatis instructorum, sectio prior* (Diptera suecica, v. 1) See his *Dispositio dipterorum synoptica*, p. 7-8; Hagen, *Bibliotheca entomologica*, v. 1, p. 227.



**Williston, Samuel Wendell.** . . . North American Conopidae . . . [New Haven? 1882-85]

3 pts. pl. 22 $\frac{1}{2}$ cm.

From Transactions Connecticut academy, vol. iv, March, 1882, p. 325-342; vol. vi, July, 1883, p. 91-98, March, 1885, p. [377]-394.

#### PLATYPEZIDÆ.

**Fallén, Karl Fredrik, præses.** Platypezinæ et Bombylarii Sueciæ. Quorum descriptionem venia ampl. fac. philos. lund. præside Carolo Fr. Fallén . . . publicæ disquisitioni subjecit Laurent. Freder. Flodin . . . Lundæ, litteris Berlingianis, 1815.

Agr 3-163

12 p. 18 $\frac{1}{2}$  x 16cm.

Forms part of his Diptorum, antennis parum articulatis instructorum, sectio prior (Diptera suecica, v. 1) See his Dispositio diptorum synoptica, p. 7-8; Hagen, Bibliotheca entomologica, v. 1, p. 227.

#### PHORIDÆ.

**Dahl, Friedrich Theodor.** Puliciphora, eine neue, flohähnliche fliegengattung . . . [Leipzig, 1897]

[409]-412 p. 23cm.

Separat-abdruck aus dem "Zoologischen anzeiger," no. 543, 1897.

**Dahl, Friedrich Theodor.** Über Puliciphora lucifera . . . [Leipzig, 1898]

[308]-309 p. 23cm.

Separat-abdruck aus dem "Zoologischen anzeiger," no. 558, 1898.

#### AGROMYZIDÆ.

**Coquillett, Daniel William.** . . . Description of Agromyza phaseoli, a new species of leaf-mining fly . . . [Sydney, 1899]

128-129 p. 22cm.

From the Proceedings of the Linnean society of New South Wales, 1899, pt. 1, March 29th.

**Fallén, Karl Fredrik, præses.** Agromyzides. [Lund, Berling, 1823] Agr 3-177

10 p. 20 x 17 $\frac{1}{2}$ cm. [With his Oscinides Sueciæ]

Dis.—Lund.

Respondent, Lageman. See Hagen, Bibliotheca entomologica.

Title-page wanting,

Forms part of his Diptera suecica, v. 2. See Hagen, Bibliotheca entomologica, v. 1, p. 227.

**Lindemann, Karl Eduardovich.** Ueber Agromyza lateralis Macq. und ihre verwandlungen . . . [Moscou, 1886]

6 p. illus. 22 $\frac{1}{2}$ cm.

From Bull. d. l. Soc. imp. d. nat. de Moscou, 1886. no. 3.

#### OSCINIDÆ.

**Fallén, Karl Fredrik, præses.** Oscinides Sueciæ. Quarum descriptionum venia ampl. facult. philos. Acad. lund. præside Carolo Fr. Fallén . . . pro laurea publicæ disquisitioni subjecit Johannes Collander . . . Lundæ, literis Berlingianis, 1820.

1 p. l., 10 p. 20 x 17 $\frac{1}{2}$ cm.

Agr 3-176

Forms part of his Diptera suecica, v. 2. See Hagen, Bibliotheca entomologica, v. 1, p. 227.

**Garman, Harrison.** . . . The American frit-fly (Oscinis variabilis? Loew) . . . [State college, Pa., 1891]

[67]-69 p. 23cm.

From Agricultural science, vol. v, no. 3, March 1891.

**Great Britain—Board of agriculture.** . . . The ribbon-footed corn fly (Chlorops tæniopus) [London, 1893.]

[55]-57 p. illus. 24 $\frac{1}{2}$ cm. (Its [Leaflet] 1893 [no.] 10)

— — — [London, 1898]

3, [1] p. illus. 22cm. (Its Leaflet no. 24)

**Jablonowski, József.** Utmutatás à csikoslábú búzalégy irtására. [Budapest, 1898]

[39]–41 p. 24<sup>cm</sup>.

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135–186 p. 23<sup>cm</sup>.

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3 p. illus. 22½<sup>cm</sup>. (*Its* Leaflet no. 38)

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1 p. l., 34 p. 22x18½cm.

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16 p. 23x19cm.

Agr 3—169

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1 p. l., 10 p. 21x17cm.

Forms part of his *Diptera suecica*, v. 2. See Hagen, *Bibliotheca entomologica*, v. 1, p. 227.

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**Fallén, Karl Fredrik, præses.** *Sciomyzides Sueciæ. Quarum descriptionem venia ampl. facult. philos. Acad. lund. præside Carolo Fr. Fallén . . . pro laurea publicæ disquisitioni subjicit Adolphus Alexanderson . . . Lundæ, litteris Berlingianis, 1820.*

Agr 3—1033

1 p. l., 16 p. 19cm.

Forms part of his *Diptera suecica*, v. 2. See Hagen, *Bibliotheca entomologica*, v. 1, p. 227.



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**Fallén, Karl Fredrik, præses.** Hydromyzides Sueciæ. Quarum descriptionem venia ampl. facult. philos. Acad. lund. præside Carolo Fr. Fallén . . . pro laurea publicæ disquisitioni subjicit Johan. Jacob. Björkman . . . Lundæ, literis Berlingianis, 1823. Agr 3—179

1 p. l., 12 p. 23x19<sup>cm</sup>.

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## OCHTIDIDÆ.

**Fallén, Karl Fredrik.** Phytomyzides et Ochtidiæ Sueciæ. *See below under Phytomyidæ.*

## OPOMYZIDÆ.

**Fallén, Karl Fredrik, præses.** Opomyzides Sueciæ. Quarum descriptionem venia ampl. facult. philos. Acad. lund. præside Carolo Fr. Fallén . . . pro laurea publicæ disquisitioni subjicit T. Maximilian. Ratzky . . . Lundæ, litteris Berlingianis, 1820. Agr 3—174

1 p. l., 12 p. 21x17<sup>cm</sup>.

Forms part of his *Diptera suecica*, v. 2. See Hagen, *Bibliotheca entomologica*, v. 1, p. 227.

## SCATOMYZIDÆ.

**Fallén, Karl Fredrik, præses.** Scatomyzides. [Lund, Berling, 1819] Agr 3—172  
10 p. 19½ x 15<sup>cm</sup>.

Dis.—Lund.

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## PHYTOMYIDÆ.

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1 p. l., 10 p. 22 x 16½<sup>cm</sup>.

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1 p. l., 10 p. 23 x 19<sup>cm</sup>.

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[27]–29 p. illus. 24½<sup>cm</sup>. (*Its* [Leaflet] 1893 [no.] 5)

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4 p. illus. 21½<sup>cm</sup>. (*Its* Leaflet no. 5)

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3 p. l., ix, 319, [1] p. illus., 9 pl. (7 col.) fold. map. 25½cm.

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Dis.—Lund.

Consists of nine dissertations, each having its own title-page, but with text and paging continuous. p. 1—12: respondent, Laurentius Fred. Westman; pub. 1820. p. 13—24: respondent, Carolus Andreas Rååf; pub. 1820. p. 25—40: respondent, Josephus Wilhelmus Malmstedt; pub. 1820. p. 41—48: respondent, Carolus Jac. Sundewall; pub. 1821. p. 49—56 (pt. v): respondent, Petrus Jönsson; pub. 1823. p. 57—64 (pt. vi): respondent, H. P. Scholander; pub. 1823. p. 65—72 (pt. vii): respondent, Aug. Ludov. Hünemöder; pub. 1824. p. 73—80 (pt. viii): respondent, Laurentius Pet. Brunnér; pub. 1825. p. 81—94 (pt. ix & ultima): respondent, Ericus Gustavus Brunnér; pub. 1825.

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156 p. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin, tech. ser., 7)

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From Kan. univ. quar., vol. IV, no. 3, January, 1896.



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13 p. illus. 22½cm.

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**Wandolleck, Benno.** . . . Ist die phylogenese der aphanipteren entdeckt? . . .  
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**Bordage, Edmond.** . . . On the absence of regeneration in the posterior limbs of the Orthoptera saltatoria and its probable causes . . . [London, 1900]

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Agr 3—775

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**Minot, Charles Sedgwick.** Comparative morphology of the ear . . . [4th article] Cambridge, 1882.

13 p. illus. 23<sup>cm</sup>.

"Authorities": p. 12-13.

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3 v. in 1. 22<sup>cm</sup>.

**Stoll, Caspar.** Natuurlijke en naar het leven nauwkeurig gekleurde afbeeldingen en beschrijvingen der spoken, wandelende, bladen, zabel-springhanen, krekels, trek-springhanen en kakkerlakken. In alle vier deelen der wereld, Europa, Asia, Afrika en Amerika, huishoudende . . . Bij een verzameld en beschreven door Caspar Stoll'. Représentation exactement colorée d'après nature des spectres ou phasmes, des mantes, des sauterelles, des grillons, des criquets et des blattes, qui se trouvent dans les quatre parties du monde, L'Europe, l'Asie, l'Afrique et l'Amérique; rassemblées et décrites par Caspar Stoll.' Amsterdam, J. C. Sepp et fils, 1813. Agr 5-250

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Each vol. has added engr. t.-p. in colors.

Dutch and French in parallel columns.



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**Walker, Francis.** Catalogue of the specimens of Dermaptera Saltatoria in the collection of the British museum . . . By Francis Walker . . . London, Printed for the trustees of the British museum, 1869-71.

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From the Proceedings of the Academy of natural sciences of Philadelphia, July, 1904.

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At head of title: U. S. geographical surveys west of the 100th meridian.

**Smith, Sidney Irving.** . . . On the Orthoptera of the state of Maine . . . [Portland] 1868.

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**Thomas, Cyrus.** Report upon the collections of Orthoptera made in portions of Nevada, Utah, California, Colorado, New Mexico, and Arizona, during the years 1871, 1872, 1873, and 1874 . . . [Washington, 1875]

843-908 p. XLIII-XLV pl. (2 col.) 30½cm.

From the Report upon the geographical and geological explorations and surveys west of the one hundredth meridian in charge of First Lieut. Geo. M. Wheeler. vol. v. Zoology.

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**Biologia centrali-americana.** Insecta. Orthoptera . . . [London, Pub. for the editors by R. H. Porter] 1893-1905.

v. 1-2, p. 160. plates (partly col.) 32cm.

Vol. I by Dr. H. de Saussure, assisted by Dr. L. Zehntner and A. Pictet. The Forficulidæ by Count de Bormans; vol. II (not yet complete) by L. Bruner and A. P. Morse.

Issued in parts.

Cover-titles: *Biologia centrali-americana*; or, Contributions to the knowledge of the fauna and flora of Mexico and Central America. Ed. by F. Ducane Godman and Osbert Salvin.

Aug. 1898-1905, ed. by F. Ducane Godman.



**Bolívar y Urrutia, Ignacio.** Catalogus orthopterorum Europæ et confinium . . . Madrid, 1878.

18 p. 22 $\frac{1}{2}$ cm.

From Anal. de la Soc. esp. de hist. nat., tom. VII, 1878.

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49 p. 35cm.

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**Bolívar y Urrutia, Ignacio.** Sinópsis de los ortópteros de España y Portugal, por Ignacio Bolívar. Madrid, Imp. de T. Fortanet, 1876.

3 p. l., 162 p. III pl. 24 $\frac{1}{2}$ cm.

**Boeck, Johann Bernhard.** Skandinavians rätvingade insekters natural-historia af J. B. v. Boeck . . . Lund, Tryckt uti Berlingska boktryckeriet, 1848.

xvi, 144, [2] p. IV col. pl. 22cm.

**Brunner von Wattenwyl, Carl.** Prodrömus der europäischen orthopteren, von C. Brunner von Wattenwyl. Mit 11 tafeln und einer karte. Leipzig, W. Engelmann, 1882.

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"Literatur": p. XIII-XXIV.

**Finot, Adrien, i. e., P. Adrien Prosper.** Faune de la France. Insectes orthoptères, thysanoures et orthoptères proprement dits . . . Par A. Finot . . . Fontainebleau, L'auteur; Paris, É. Deyrolle, 1890.

322 p., 1 l. 13 pl. 25cm.

"Bibliographie": p. [13]-14.

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xx, 454 p. xviii pl. (1 col.) 29cm.

Authorities consulted: p. [ix]-xiv.

**Houlbert, Constant Vincent.** Faune analytique illustrée des orthoptères de France contenant la description de 175 espèces ou variétés et 218 figures au trait, par Constant Houlbert . . . Paris, MM. les fils d'Émile Deyrolle, 1900.

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Extrait de la Feuille des jeunes naturalistes, année 1900.

**Jakobson, Georg Georg.** Прямокрылыя и ложнощитчатокрылыя Россійской имперіи и сопредѣльныхъ странъ. Составлено Г. Г. Якобсономъ и В. Л. Біанки . . . по Dr. R. Tümpel'ю Die geradflügler Mitteleuropas . . . С.-Петербургъ, изданіе А. О. Девріена, 1905.

3 p. l., x p., 1 l., 952 p., 1 l. illus., xxv pl. (22 col.) 28cm.

Orthoptera and Pseudoneuroptera of the Russian empire and adjacent countries. By G. G. Jakobson and V. L. Bianchi . . . after Dr. R. Tümpel's Die geradflügler Mitteleuropas.

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Separatabdruck aus den Zoologischen jahrbüchern. Abtheilung für systematik, geographie und biologie der thiere . . . 5. bd. p. 344-360, 647-668.

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28 p., 2 l. pl. 29½<sup>cm</sup>. (Peabody academy of science. First memoir)

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**Beutenmüller, William.** A new katydid from Florida . . . New York, 1903. [637]—638 p. illus. 24<sup>cm</sup>.

Author's edition, extracted from Bulletin of the American museum of natural history, vol. XIX, article XXVII, pp. 637—638.

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**Mann, Benjamin Pickman.** Bibliography of some of the literature concerning destructive locusts. Washington, 1880.

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x, 262 p. 1 pl. 30<sup>cm</sup>. (Dept. of the interior. Report of the United States geological survey of the territories. F. V. Hayden, United States geologist in charge. v. 5, pt. 1)

"Authorities": p. [3]-6.

**Tucker, E. S.** . . . Remarks about injurious grasshoppers . . . [Topeka] 1904.

934-935 p. illus. 40<sup>cm</sup>.

From the Kansas farmer, September 22, 1904.

**United States—Dept. of agriculture—Division of entomology.** Reports of observations on the Rocky Mountain locust and the chinch bug, together with extracts from the correspondence of the division of miscellaneous insects. Washington, 1883.

36 p. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin 2)

**United States—Dept. of agriculture—Division of entomology.** Reports on the damage by destructive locusts during the season of 1891. Made under the direction of the entomologist. Washington, 1892.

64 p. 23<sup>cm</sup>. (U. S. Agriculture, Dept. of—Entomology, Division of. Bulletin 27)

**United States—Entomological commission.** First annual report of the United States entomological commission for the year 1877, relating to the Rocky Mountain locust and the best methods of preventing its injuries and of guarding against its invasions, in pursuance of an appropriation made by Congress for this purpose. Washington, 1878.

477, 295 p. illus., 5 pl., 2 maps. 23<sup>cm</sup>.

**United States—Entomological commission.** Second report of the United States entomological commission for the years 1878 and 1879, relating to the Rocky Mountain locust, and the western cricket and treating of the best means of subduing the locust in its permanent breeding grounds, with a view of preventing its migrations into the more fertile portions of the trans-Mississippi country, in pursuance of appropriations made by Congress for this purpose. Washington, 1880.

322, 80 p. illus., 17 pl., 10 maps. 23<sup>cm</sup>.

Bibliography of some of the literature concerning destructive locusts. Appendix. pp. 33-56.

**United States—Entomological commission.** Destruction of the young or unfledged locusts. Washington, 1877.

12 p. 23<sup>cm</sup>. (U. S. Entomological commission. Bulletin 1)

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15 p. illus., map. 23<sup>cm</sup>. (U. S. Entomological commission. Bulletin 2)

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Reprint from Chapters viii and xiii of the 1st Report of the United States Entomological commission with additions by C. V. Riley.

**Whitman, Allen.** . . . Report on the Rocky Mountain locust. For 1876. By Allen Whitman, state entomologist. Saint Paul, The Pioneer press company, 1877. 43 p. fold. map. 22½cm.  
At head of title: Geological and natural history survey.

**Yersin, Alexander.** Note sur le *Pachytylus migratorius*, Fisch. Fr. . . . [Genève] 1858.  
20 p. 22cm.

Tiré des Archives des sciences de la bibliothèque universelle. Novembre 1858.

**Zubovskii, N. N.** Eine neue Gomphocerus-art aus der Mongolei . . . [St.-Pétersbourg, 1896]

[150]-152 p. 25cm.

From Annuaire du Musée zoologique de l'Académie impériale des sciences de St. Pétersbourg, 1896.

## TETTIGIDÆ.

**Hancock, Joseph Lane.** The Tettigidae of North America, by Joseph Lane Hancock . . . Chicago, Pub. by special grant of Mrs. F. G. Logan, 1902. Agr 3—982 vi p., 1 l., 188 p. illus., xi pl. 27½cm.  
"Literature": p. 182-184.

## LEPIDOPTERA.

### GENERAL.

**Bemmelen, Johan Frans van.** De ontwikkeling der vlindervleugels in de pop. Voordracht gehouden in de bestuursvergadering van 16 october 1890 . . . Batavia en Noorwijk, 1890.

16, [2] p. 1 pl. 24cm. (Koninklijke natuurkundige vereeniging in Nederlandsch-Indie. Voor- drachten. No. 6)

**Bemmelen, Johan Frans van.** Ueber die entwicklung der farben und adern auf den schmetterlingsfluegeln . . . [Leiden, 1889]  
13 p. 24½cm.

Overgedrukt uit het Tijdschrift der Nederlandsche dierkundige vereeniging 1889.

**Berg, Carlos.** . . . Descripción de tres nuevos lepidópteros de la colección del Museo nacional de Buenos Aires . . . Buenos Aires, 1896.

4 p. illus. 27cm.

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**Beutenmüller, William.** List of types of Lepidoptera in the Edwards collec- tion of insects . . . New York, 1892.

167-198 p. 25cm.

Author's edition, extracted from Bulletin of the American museum of natural history, vol. iv, no. 1, article XIII, pp. 167-198.

**Beutenmüller, William.** List of types of some species of Lepidoptera, described by Grote and Robinson, in the American museum of natural history . . . New York, 1892.

59-64 p. 24½cm.

Author's edition, extracted from Bulletin of the American museum of natural history, vol. iv, no. 1, article VII, pp. 56-64.

**Beutenmüller, William.** Some notes on transformations of Australian Lepi- doptera, made by the late Henry Edwards, with notes and additions by William Beutenmüller. New York, 1892.

71-74 p. 25½cm.

Author's edition, extracted from Bulletin of the American museum of natural history, vol. iv, no. 1, article IX, p. 71-74.

**Beutenmüller, William.** Types of Lepidoptera in the collection of the American museum of natural history . . . New York, 1904.

81-86 p. 24½cm.

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**Boisduval, Jean Alphonse.** Histoire naturelle des insectes. Species général des lépidoptères, par le Dr. Boisduval . . . Tome 1, 5-10, atlas. Paris, Roret, 1836-58.

7 v. and atlas. 24, 58 pl. (partly col.) 21<sup>cm</sup>.

Agr 3-771

The work was begun by Boisduval, who after the publication of one volume associated with himself Guénée, by whom v. 5-10 were written. Vols. 2-4 were to be devoted to the completion of the Diurnes by Boisduval, but they seem never to have been published.

"Abbreviations and liste des ouvrages cités": v. 5, p. [xci]-xcvi.

CONTENTS.—t. 1. [Diurnes; papillonides, piérides, par J. A. Boisduval] 1836.—t. 5-7. Noctuérites, par M. A. Guénée. t. 1-3. 1852.—t. 8. Deltoïdes et pyralites, par M. A. Guénée. 1854.—t. 9-10. Uranides et phalénites. t. 1-2. 1857.—Atlas. 1858.

**Butler, Arthur Gardiner.** . . . Corrections and addenda to certain papers on Lepidoptera published during the years 1865-66; with additional notes on some of the species described . . . [London] 1866.

[451]-458 p. 21<sup>cm</sup>.

From the Proceedings of the Zoological society of London, November 22, 1866.

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[396]-400 p. 22½<sup>cm</sup>.

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[79]-83 p. 22½<sup>cm</sup>.

From the Proceedings of the Zoological society of London, January 17, 1871.

**Comstock, John Henry.** Evolution and taxonomy. *See under* Anatomy and physiology, p. 39.

**Cramer, Pieter.** De uitlandsche kapellen voorkomende in de drie waereld-deelen Asia, Africa en America, by een verzameld en beschreeven door den Heer Pieter Cramer . . . Onder deszelfs opzigt allen naar het leven getekend, in het koper gebragt en met natuurlyke koleuren afgetekend . . . Papillons exotiques des trois parties du monde l'Asie, l'Afrique et l'Amerique. Rassemblés et décrits par Mr. Pierre Cramer . . . Dessinés sur les originaux, gravés et enluminés sous sa direction . . . Amsterdam, S. J. Baalde [etc., etc.] 1779-82.

8 pts. in 4 v. cccc col. pl. 31<sup>cm</sup>.

Deel 1 of text and deel 1 of plates have each a col. engr. half t.-p added. Deel 1-4 of plates have separate title-pages.

— Aanhangsel . . . vervattende naauwkeurige afbeeldingen van surinaamsche rupsen en poppen; als mede van veele zeldzaame en nieuwe ontdekte uitlandsche dag en nagt-kapellen. By een verzameld en beschreeven door Caspar Stoll . . . contenant les figures' exactes des chenilles et des chrysalides de Suriname; comme celles des plusieurs rares et nouvellement decouvertes papillons et phalènes. Rassemblées et décrits par Mr. C. Stoll . . . Amsterdam, Chez N. T. Gravius, 1791.

1 p. l., 384 [i. e. 184] p. XLII col. pl. 30½<sup>cm</sup>.

**Dalla Torre, Karl Wilhelm von.** Die duftapparate der schmetterlinge . . . [Leipzig] 1885.

2 pts. 23<sup>cm</sup>.

Separat-abdruck aus "Kosmos," 1885, II. bd., s. [354]-364, [410]-423.

Litteratur: p. 421-423.

**Deschamps, Bernard.** Recherches microscopiques sur l'organisation des ailes des lépidoptères . . . [Paris] 1835.

111-137 p. 2 pl. (1 col.) 23<sup>cm</sup>.

From Ann. sci. nat. III (Zool.), 1835.

**Dewitz, Hermann.** Beschreibungen von jugendstadien exotischer lepidopteren. Von Dr. H. Dewitz, M. A. N. Mit 2 tafeln nr. VIII-IX. Eingegangen bei der Akademie den 10. december 1881. Halle, 1882.

27 p. VIII-IX col. pl. 32<sup>cm</sup>. (Nova acta der Ksl. Leop.-Carol.-deutschen akademie der naturforscher. bd. XLIV. nr. 2)



**Dickerson, Mary Cynthia.** Moths and butterflies, by Mary C. Dickinson . . .  
 Boston, Ginn & company, 1901. 1—7156  
 xviii, 344 p. incl. front., illus. 24<sup>cm</sup>.  
 "Books for reference": p. 331-332.

**Dimmock, George.** George Dimmock's catalogue of Coleoptera & Lepidoptera.  
*See under* Coleoptera, p. 183.

**Edwards, Henry.** . . . Notes on the transformations of some species of Lepidoptera. By Henry Edwards and S. Lowell Elliott. Edited with additions, by William Beutenmüller. New York, 1892.

75-80 p. 24 $\frac{1}{2}$ <sup>cm</sup>.

Author's edition, extracted from Bulletin of the American museum of natural history, vol. iv, no. 1, article x.

**Felder, Cajetan, freiherr von.** Lepidoptera, von Dr. Cajetan Felder . . . von Rudolf Felder . . . und Alois T. Rogenhofer . . . Atlas von 140 tafeln . . . Wien, Aus der Kaiserlich-königlichen hof- und staatsdruckerei, 1864-75. Agr 4—275

2 p. 1., 8 p., 1 l., 10, 20 p. cXL pl. 30 $\frac{1}{2}$ <sup>cm</sup>. (*Added t.-p.*: Reise der österreichischen fregatte Novara um die erde in den jahren 1857, 1858, 1859 unter den befehlen des commodore B. von Wüllerstorff-Urbair. Zoologischer theil. 2. bd., 2. abth.: Lepidoptera von Dr. Cajetan Felder, Rudolf Felder und Alois F. Rogenhofer. Atlas . . . 1864-67)

Plates cviii-cxl, each accompanied by leaf of descriptive text.

**Goeldi, Emil August.** . . . Grandiosas migrações de borboletas no valle amazonico . . . Pará, 1904.

309-316 p. 2 pl (1 fold.) 23 $\frac{1}{4}$ <sup>cm</sup>.

Extracto do Boletim do Museu Goeldi, vol. iv, fasciculo 2-3.

**Gosse, Philip Henry.** . . . On the clasping-organs ancillary to generation in certain groups of the Lepidoptera. By Philip Henry Gosse . . . London, Printed for the Linnean society by Taylor and Francis, 1883. Agr 3—338

cover-title, 265-345 p. 8 pl. 30<sup>cm</sup>. (The Transactions of the Linnean society of London. 2nd ser. Zoology. Vol. II. pt. 6.)

**Grote, Augustus Radcliffe.** Lepidopterological contributions. By Aug. R. Grote and Coleman T. Robinson . . . New York, 1866.

37 p. 13-14 col. pl. 24 $\frac{1}{2}$ <sup>cm</sup>.

Reprinted from the Annals of the Lyceum of natural history of New York, vol. viii., October, 1866.

**Grote, Augustus Radcliffe.** . . . On the origin of insects and remarks on the antennal characters in the butterflies and moths . . . [Salem] 1874.

110-112 p. 23<sup>cm</sup>.

From the Proceedings of the American association for the advancement of science, Portland meeting, August, 1873, vol. xxii, pt. 2.

**Herrich-Schäffer, Gottlieb August Wilhelm.** Sammlung neuer oder wenig bekannter aussereuropäischer schmetterlinge. Hrsg. von Dr. Herrich-Schäffer . . . Regensburg, G. J. Manz, 1850-58 [69]

bd. [1]-2, lief 1, in 1 v. 128 col. pl. 28<sup>cm</sup>.

No more published?

1869 is preface date of bd. 2, lief 1, which has no t.-p. date.

**Horsfield, Thomas.** A catalogue of the lepidopterous insects in the museum of the Hon. East-India company. By Thomas Horsfield . . . and Frederic Moore . . . London, W. H. Allen and co., 1857-59. Agr 4—288

2 v. 36 pl. 23<sup>cm</sup>.

**Hübner, Jacob.** Sammlung exotischer schmetterlinge, errichtet von Jacob Hübner. 1806 . . . Augsburg, Im verlag der Hübner'schen werke bey C. Geyer [1806] Agr 3—787-8

2 v. 438 col. pl. 24<sup>cm</sup>.

Engr. t.-p.

Hagen's Bibliotheca entomologica gives dates of publication as 1806-24.

**Hübner, Jacob.** *Zuträge zur Sammlung exotischer schmettlinge, bestehend in bekundigung einzelner fliegmuster neuer oder rarer nichteuropäischer gattungen von Jacob Hübner . . . Augsburg, Bey dem verfasser zu finden, 1818-37.* Agr 3-787-8

5 pts. 172 col. pl. 25 $\frac{1}{2}$ cm.

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Imprint of Viertes & Fünftes hundert: Augsburg, Im verlag der Hübner'schen werke, bei C. Geyer.

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— *Anzeiger der im Verzeichnisse bekannter schmettlinge angenommenen benennungen ihrer horden, rotten, stämme, familien, vereine und gattungen.* [Nürnberg, 1826]

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**Insect changes.** *An illuminated present for youth: forming a first lesson in entomology.* London, Grant and Griffith, 1847. Agr 3-1138

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**Jackson, William Hatchett.** . . . *Studies in the morphology of the Lepidoptera.—Part I, by W. Hatchett Jackson . . . London, Printed for the Linnean society by Taylor and Francis, 1890.* Agr 3-343

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**Jones, Edward Dukinfield.** *Metamorphoses of Lepidoptera from San Paulo, Brazil, in the Free public museum, Liverpool, by E. Dukinfield Jones . . . With nomenclature and descriptions of new forms by Frederic Moore . . . and an introductory note by T. J. Moore . . . [Liverpool, 1882]*

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**Kellogg, Vernon Lyman.** *The taxonomic value of the scales of the Lepidoptera . . . [Lawrence] 1894.*

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3 p. l., 122 p. 18cm.

**Lelièvre, Ernest.** *Un mot au sujet de l'article de M. P. Chrétien intitulé: Étude sur les lépidoptères.* Paris, 1882.

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**Lyonnet, Pierre.** Traité anatomique de la chenille, qui ronge le bois de saule, augmenté d'une explication abrégée des planches, et d'une description de l'instrument et des outils dont l'auteur s'est servi, pour anatomiser à la loupe & au microscope, & pour déterminer la force de ses verres, suivant les règles de l'optique, & mécaniquement. Par Pierre Lyonnet. La Haye, Au dépend de l'auteur; [etc., etc.] 1762. Agr 3—795

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**Neumoegen, Berthold.** Guide to the collection of Lepidoptera of the world (butterflies and moths) Of B. Neumoegen, Esq. The first exhibition of the kind ever held in America. Eden Musee, New York, April, 1888. New York, 1888.

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noff, N. M. Les lépidoptères de la Transcaucasie. 2. partie.—2. Christoph, H. Lepidoptera aus dem Achal-Tekke-gebiete. 2. theil.—3. Heylerts, F. J. M. Description d'un genre nouveau et d'une espèce nouvelle appartenant aux Cossina H. S.—4. Heylerts, F. J. M. Psychides nouvelles ou moins connues de l'Empire Russe.—5. Snellen, P. C. T. Description d'un nouveau genre de pyralides.—6. Christoph, H. Schmetterlinge aus Nord-Persien.—7. Erschoff N. Verzeichniss von schmetterlingen aus Central-Sibirien.—8. Grumm-Grshimaïlo, Gr. Bericht über meine reise in das Alai-gebiet (correspondenz) tome III. 1. Romanoff, N. M. Les lépidoptères de la Transcaucasie. 3. parte.—2. Christoph, H. Lepidoptera aus dem Achal-Tekke-gebiete. 3. theil.—3. Staudinger, O. Neue arten und varietäten von lepidopteren aus dem Amur-gebiete.—4. Fixsen, C. Lepidoptera aus Korea.—5. Grumm-Grshimaïlo, Gr. Bericht über meine reise in das östliche Buchara (correspondenz; mit 1 karte) Nebst anhang: Diagnosen einiger neuen species.—6. Alphéraky, S. Diagnoses de quelques lépidoptères inédits du Thibet. tome IV. Groum-Grshimaïlo, Gr. Le Pamir et sa faune lépidoptérologique. tome V. 1. Christoph, H. Lepidoptera aus dem Achal-Tekke-gebiete. 4. theil.—2. Alphéraky, S. Lépidoptères rapportés du Thibet par le Général N. M. Przewalsky de son voyage de 1884-1885.—3. Alphéraky, S. Lépidoptères rapportés de la Chine et de la Mongolie par G. N. Potanine.—4. Alphéraky, S. Le Pamir et sa faune lépidoptérologique. 2. partie (spéciale) iv. Noctuérites.—5. Christoph, H. Neue lepidopteren aus dem Kaukasus.—6. Alphéraky, S. Zur lepidopteren-fauna von Teneriffa (mit einem vorwort von Dr. G. Sievers)—7. Alphéraky, S. Sur quelques lépidoptères de la Russie méridionale. tome VI. 1. Alphéraky, S. Lépidoptères rapportés de la Chine et de la Mongolie par G. N. Potanine (suite).—2. Staudinger, O. Die macrolepidopteren des Amur-gebiets. i. theil. Rhopalocera, Sphinges, Bombyces, Noctuae.—3. Standfuss, M. Lepidopteren-logisches.—4. Erschoff, N. Verzeichniss von schmetterlingen aus Central-Sibirien. tome VII-VIII. Ragonot, E. L. Monographie des Phycitinae et des Gallericinae (tome VIII completed by Sir George Hampson)—tome IX. 1. Alphéraky, S. Lépidoptères rapportés par M-r. Gr. Groum-Grshimaïlo de l'Asie Centrale en 1889-1890.—2. Alphéraky, S. Lépidoptères des provinces chinoises Sé-Tchouen et Kham recueillies, en 1893, par M-r. G. N. Potanine.—3. Alphéraky, S. Lépidoptères de l'Amour et de la Corée.—4. Alphéraky, S. Mémoire sur différents lépidoptères, tant nouveaux que peu connus de la faune paléarctique.—5. Alphéraky, S. Sur quelques lépidoptères rapportés de l'Asie, en 1893-1895, par l'expédition de M-rs. Roborowsky et Kozlov.—6. Herz, O. Reise von Jakutsk nach Kamtschatka im jahre 1890.—7. Alphéraky, S. Lepidopteren aus Kamtschatka, gesammelt von O. Herz, bearbeitet von S. Alphéraky.

**Schilde, Johannes Gustav.** Schach dem Darwinismus! Studien eines lepidopterologen. Von Johannes Schilde. Hrsg. von dem Entomologischen verein in Berlin. Berlin, R. Friedländer & sohn, 1890.

4 p. l., 360 p. 23½<sup>cm</sup>. (Added t.-p.: Berliner entomologische zeitschrift . . . 34. bd. . . )

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CONTENTS.—1. th. Exotische tagfalter in systematische reihenfolge mit berücksichtigung neuer arten von Dr. O. Staudinger unter technischer mitwirkung von Dr. H. Langhans. 1. bd. Beschreibungen. 2. bd. Abbildungen.—2. th. Die familien und gattungen der tagfalter systematisch und analytisch bearb. von Dr. E. Schatz, nach dem tode des verfassers fortgesetzt von J. Röber.

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22 p. 24<sup>cm</sup>.

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143 p. 15 col. pl. 29½<sup>cm</sup>.

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— — Supplement no. 1-3. By Herman Strecker. Reading, Pa., Printed for the author, 1898-1900. Agr 4—230-1

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**Holland, William Jacob.** . . . 1. List of the Lepidoptera collected in eastern Africa by Dr. W. L. Abbott, with descriptions of some apparently new species. 2. List of the Lepidoptera collected in Somaliland, East Africa, by Mr. William Astor Chanler and Lieut. von Höhnel. 3. List of the Lepidoptera from Aldabra, Seychelles, and other East African islands, collected by Dr. W. L. Abbott. 4. List of the Lepidoptera collected in Kashmir by Dr. W. L. Abbott . . . Washington, 1895.

229-279 p. VII-VIII pl. 24½<sup>cm</sup>.

From the Proceedings of the United States national museum, vol. XVIII, p. 229-279 <Nos. 1062, 1063, 1064, 1065>

**Hübner, Jacob.** Systematisch-alphabetisches verzeichniss aller bisher bey den für bildungen zur sammlung europäischer schmetterlinge angegebenen gattungsbennungen, mit vormerkung auch augsburgischer gattungen; von Jacob Hübner. 1822. Augsburg, Bey dem verfassers zu finden [1822]

Agr 3—342

vi, 81 p. 21<sup>cm</sup>.

**Kappel, August Wilhelm.** British and European butterflies and moths (Macrolepidoptera) By A. W. Kappel . . . and W. Egmont Kirby . . . With thirty coloured plates by H. Deuchert and S. Slocombe. London, E. Nister; New York, E. P. Dutton & co., [1895]

xvi, 273 p. xxx col. pl. 29½<sup>cm</sup>.

**Kirby, William Forsell.** The butterflies and moths of Africa . . . Being a paper read before the Victoria institute . . . [London, 1889-90]

12 p. 21½<sup>cm</sup>.

"Remarks on the foregoing paper. By the Rev. F. A. Walker", p. 9-12.

Author's copy, from the Journal of transactions of the Victoria institute, v. 23.

**Kirby, William Forsell.** The butterflies and moths of Europe . . . London, Paris, New York and Melbourne, 1903.

5—18941

lxxii, 432 p. illus., pl., 54 col. pl. (incl. front). 27½<sup>cm</sup>.

Each pl. has guard-sheet with descriptive letter-press.

**Kirby, William Forsell.** European butterflies and moths . . . Based upon Berge's "Schmetterlingsbuch". By W. F. Kirby . . . London, Petter, Galpin & co., 1882.

Agr 4—290

xvi, lvi, 427 p. 62 pl. (61 col.) 28<sup>cm</sup>.

Plates bound separately.

**Kirby, William Forsell.** Familiar butterflies and moths, by W. F. Kirby . . . London, New York [etc.] Cassell and company, limited, 1901.

[iii]–viii, 144 p. illus., xviii col. pl. incl. front. 24½cm.

Each plate accompanied by leaf of explanatory text.

**Kirby, William Forsell.** . . . On the collection of Lepidoptera formed by Basil Thomson, Esq., in the Louisiade archipelago . . . [London] 1889.

[156]–167 p. 21½cm.

From the Annals and magazine of natural history for August 1889.

**List of British Lepidoptera.** [London, 18—]

12 p. 19cm.

**Lucas, Hippolyte i. e. Pierre Hippolyte.** Histoire naturelle des lépidoptères d'Europe, par H. Lucas . . . [Ed. 2] Paris, L. de Bure, 1845.

Agr 3—345

2 p. l., viii, 216 p. 79 (i. e. 81) pl. (partly col.) 24½cm. ([Bibliothèque zoologique])

Has, preceding plates, engr. and decorated half t.-p.

**Mabille, Paul.** Lépidotères, par M. P. Mabille. [Paris, 1888]

Agr 3—1257

35 p. iii col. pl. 28cm. ([Ministères de la marine et de l'instruction publique. Mission scientifique du Cap Horn. 1882–1883. Tome vi. Zoologie. Insectes])

**Martin, Joanny.** Les lépidoptères d'Europe; introduction à l'étude des papillons suivie de tableaux de détermination des familles, des tribus, des genres, et de la plupart des espèces européennes, par Joanny Martin . . . Paris, Schleicher frères & cie [n. d.]

Agr 5—688

2 p. l., vi, 301 p. illus., liv col. pl. 13½ x 17½cm.

**Meyrick, Edward.** A handbook of British Lepidoptera, by Edward Meyrick . . . London and New York, Macmillan and co., 1895.

vi p., 1 l., 843, [1]p. illus. 20cm.

**Moore, Frederic.** The Lepidoptera of Ceylon. By F. Moore . . . (Pub. under the special patronage of the government of Ceylon.) London, L. Reeves & co., 1880–87.

3 v. 215 col. pl. 30cm.

**Moore, Frederic.** List of the Lepidoptera collected by the Rev. J. H. Hocking, chiefly in the Kangra district, N. W. Himalaya; with descriptions of new genera and species . . .

Pt. i. xi–xii col. pl. 21½cm.

From the Proceedings of the Zoological society of London, February 21, 1882, p. 234–263.

**Moore, Frederic.** Scientific results of the second Yarkand mission; based upon the collections and notes of the late Ferdinand Stoliczka, Ph. D. Lepidoptera, by Frederic Moore . . . Published by order of the government of India. Calcutta, Office of the Superintendent of government printing, 1879.

Agr 3—349

1 p. l., 18 p. 1 col. pl. 31cm.

**Morris, Francis Orpen.** A history of British butterflies. By the Rev. F. O. Morris . . . 5th ed . . . London, G. Bell & sons, 1870.

Agr 4—218

viii, 159, 24 p. 74 pl. (72 col.) 26cm.

"Aphorismata entomologica": 24 p.

**Möschler, Heinrich Benno.** Beiträge zur schmetterlings-fauna von Jamaica . . . Frankfurt a. M., 1886.

cover-title, [25]–84, [3] p. 1 col. pl. 29½cm.

Separatdruck aus den Abhandlungen der Senckenbergischen naturforschenden gesellschaft. bd. xiv.

**Möschler, Heinrich Benno.** Die lepidopteren-fauna der insel Portorico. Von H. B. Möschler. Zum druck vorbereitet durch M. Saalmüller . . . [Frankfurt a. M., 1889]

Agr 4—292

[69]–360 p., 1 l. front. (port.) col. pl. 29½cm.

From Abhandlungen der Senckenbergischen naturforschenden gesellschaft. bd. xvi.



[Naturforscher-gesellschaft bei der Universität Jurjew (Dorpat)] Lepidoptera baltica. Schmetterlings-verzeichniss der Ostseeprovinzen nach dem catalog Staudinger-Rebel. [Jurjew (Dorpat) Druck von C. Mattiesen] 1902. Agr 3—196  
x1, [4], 79 p. 25<sup>cm</sup>. (Archiv für die naturkunde Liv-, Ehst- und Kurlands. 2. ser., bd. xii, lfg. 1)

Ochsenheimer, Ferdinand. Die schmetterlinge von Europa. Von Ferdinand Ochsenheimer . . . Leipzig, Bey G. Fleischer dem jüngern, 1807—35. Agr 3—804  
10 v. in 8. 21<sup>cm</sup>.

bd. 5—10, by Friedrich Treitschke.

bd. 8—10 pub. by E. Fleischer.

"Verzeichniss der entomologischen schriftsteller, welche bey den faltern verglichen und angeführt sind": 1. bd., 1. abth., p [3]—8.

"Verzeichniss der benutzten neueren entomologischen schriften" 10. bd., 1. abth. der supplemente, p. [xiii]—xvi.

CONTENTS—1. bd., 1. abth. Falter, oder tagschmetterlinge. 1807. 2. abth. Falter, oder tagschmetterlinge. 1808.—2. bd. Schwärmer, oder abendschmetterlinge. (Sphinges Linn. Zigænæ, Sesia et Sphinges Fabr.) 1808.—3. bd. Nachtschmetterlinge. (Bombyx et Noctua Linn. Bombyx, Cossus, Hepialus, Phycis, Lithosia Fabr.) 1810.—4. bd. Nachtrag zu den drey ersten bänden der schmetterlinge von Europa. 1816.—5. bd., 1. abth. Nachtschmetterlinge. G. Acronycta-Miselia. 1825. 2. abth. G. Polia-Cerastis. 1825.—6. bd., 1. abth. Spanner. G. Ennomos-Cabera. 1827. 2. abth. G. Acidalia-Idæa. 1828.—7. bd. Zünsler. G. Herminia-Ennychia. 1829.—8. bd. Wickler. G. Halias-Cochylis. 1830.—9. bd., 1. abth. Schaben. G. Scardia-Hæmilis. 1832. 2. abth. Schaben. Geistchen. G. Hypsolopha-Orneodes. 1833.—10. bd., 1. abth. der supplemente. G. Melitæa-Eyprepia. 1834. 2. abth. der supplemente. G. Acronycta-Idæa. 1835. 3. abth. der supplemente. G. Herminia-Orneodes. 1835.

Olliff, Arthur Sidney. . . . Short life-histories of nine Australian Lepidoptera . . . [London] 1888.

[357]—362 p. 1 pl. 22<sup>cm</sup>.

From the Annals and magazine of natural history for May 1888. ser. 6. vol. i, p. 357—362.

Packard, Alpheus Spring. List of insects collected at Pebas, Equador, and presented by Prof. James Orton . . . [Salem, 1871]

85-87 p. 23<sup>cm</sup>.

From the 2d and 3d Annual reports of the trustees of the Peabody academy of science for the years 1869-1870.

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32 63 p. 24<sup>cm</sup>.

From Proceedings of the Boston society of natural history, vol. xi, p. 32-63.

Pagenstecher, Arnold. Die arktische lepidopteren-fauna. Bearb. von Dr. Arnold Pagenstecher in Wiesbaden. [Jena, G. Fischer, 1901] Agr 3—807

1 p. l., [199]—400 p. 36<sup>cm</sup>. (Fauna arctica . . . hrsg. von Dr. Fritz Römer und Dr. Fritz Schaudinn. 2. bd. 2. lief.)

Ausgegeben mitte februar 1902.

Porchinskij, Iosif Aloizievich. . . . Lepidopterorum Rossiæ biologia. Auctore I. Portchinsky . . . C.-Петербургъ, 1885-93.

pt. 1-4. illus., col. plates. 23-26<sup>cm</sup>.

Russian title: Гусеницы и бабочки С.-Петербургской губернии. Биологическія наблюденія и изслѣдованія, I. Порчинскаго.

Pt. 1 has t.-p. wholly in Russian. Latin title appears as caption title.

CONTENTS.—Pt. I. Drepanulidæ, Cymatophoridæ, Noctuæ (partim) 1885.—Pt. II-IV. Coloration marquante et taches ocellés, leur origine et leur développement. 1890-93.

Praun, Sigmund von. Abbildung und beschreibung europäischer schmetterlinge in systematischer reihenfolge, von Sigmund von Praun. Nürnberg, Bauer & Raspe (E. Küster) [1868] Agr 3—808

2 p. l., [84] p. 40 (i. e. 41) pl. (40 col.) 28<sup>cm</sup>.

Added t.-p.: Die europäischen eulen—Noctuæ—in systematischer reihenfolge, hrsg. von Sigmund von Praun. Nürnberg, Bauer & Raspe (L. Korn) 1868.

**Rambur, J. Pierre.** Catalogue systématique des lépidoptères de l'Andalousie, par P. Rambur . . . [pt. 1] Paris, J.-B. Baillière; New York, H. Baillière, [etc., etc.] 1858-[66]

2 p. l., 412, ix, [2] p. xxii col. pl. 25½cm.

No more published.

**Rebel, Hans.** . . . Beitrag zur microlepidopterenfauna des Canarischen Archipels. Wien, 1892.

[241]-284 p. pl. 28cm.

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**Rebel, Hans.** Beiträge zur microlepidopterenfauna Oesterreich-Ungarns . . . [Wien] 1889.

34 p. 1 pl. 22½cm.

Aus den Verhandlungen der K. K. Zoologisch-botanischen gesellschaft in Wien <jahrgang 1889> besonders abgedruckt.

**Rebel, Hans.** Studien über die lepidopterenfauna der Balkanländer. Von Dr. H. Rebel . . . [Wien, A. Hölder, 1903]

pt. l. col. pl. 28cm.

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CONTENTS.—1 t. Bulgarien und Ostrumelien,

**Reizenstein, L. von.** Catalogue of the Lepidoptera of New Orleans and its vicinity . . . Printed for R. C. Kerr, librarian of the New Orleans academy of sciences. New Orleans, Printed by I. T. Hinton, 1863.

10 p. 13½cm.

**Reuter, Enzo.** Bidrag till kännedomen om macro-lepidopter-faunan i Ålands och Åbo skärgårdar, af Enzo Reuter. [Helsingfors, Finska litteratur-sällskapets tryckeri, 1890]

Agr 4—3594

1 p. l., 111 p. 25½cm. (Länsi-Suomi. Västra Finland. v)

**Reuter, Enzo.** . . . Förteckning öfver macrolepidoptera funna i Finland efter år 1869. Af Enzo Reuter . . . Helsingfors, J. Simelii arvingars boktryckeri aktiebolag, 1893.

Agr 4—3595

85 p. 22cm. (Acta Societatis pro fauna et flora fennica, ix, n:o 6)

**Reuter, Enzo.** . . . Nykomlingar för Ålands och Åbo skärgårdars macrolepidoptera-fauna . . . Helsingfors, 1890.

[29]-47 p. 23cm.

From Meddel. af Societas pro fauna et flora fennica. 17, 1891.

**Schøyen, Wilhelm Maribo.** Fortegnelse over Norges Lepidoptera . . . Christiania, 1893.

54 p. double map. 23½cm. (Christiania videnskabs-selskabs Forhandlinger, 1893. no. 13)

**Schøyen, Wilhelm Maribo.** Oversigt over de i Norges arktiske region hidtil fundne Lepidoptera . . . [Kristiania, 1880]

[119]-228 p. col. pl. 23cm.

Separataftryk af Archiv for mathematisk og naturvidenskab. v. bind.

**Scott, Alexander Walker.** . . . Australian Lepidoptera and their transformations, drawn from the life by Harriet and Helena Scott; with descriptions, general and systematic, by A. W. Scott . . . London, J. Van Voorst, 1864-98.

2 v. 21 col. pl. 44cm.

t.-p. of v. 2: Australian museum, Sydney. Australian Lepidoptera and their transformations, by the late Alexander Walker Scott; with illustrations drawn from the life by his daughters, Harriet Morgan and Helena Forde. Vol. ii. Ed. and rev. by Helena Forde and Arthur Sidney Olliff. Sydney, Printed by order of the trustees, 1890-1898.

Above t.-p. of v. 2 takes the place of the t.-p. first pub. with v. 2, pt. 1.

Vol. i pub. in 3 pts.

Vol. ii pub. in 5 pts.

**Selys-Longchamps, Michel Edmond, baron de.** Catalogue des lépidoptères ou papillons de la Belgique, précédé du tableau des libellulines de ce pays, par Edm. de Selys-Longchamps . . . Liège, J. Desoer, 1837. Agr 4—226  
2 p. l., 29 p., 1 l. 22½cm.

**Selys-Longchamps, Michel Edmond, baron de.** Énumération des insectes lépidoptères de la Belgique par Edm. de Selys-Longchamps . . . Liège, H. Dessain, 1844. Agr 4—227

1 p. l., 35 p. 22½cm.

Extrait du tome 2 des Mémoires de la Société royale des sciences de Liège.

**Smith, John Bernhard.** Check list of the Lepidoptera of boreal America, by John B. Smith . . . assisted by Henry Skinner, M. D., and W. D. Kearfott. Philadelphia, American entomological society, 1903. Agr 5—240  
v, 136 p. 23cm.

**Speyer, Adolf.** Die geographische verbreitung der schmetterlinge Deutschlands und der Schweiz. Nebst untersuchungen über die geographischen verhältnisse der lepidopterenfauna dieser länder überhaupt. Von Dr. Adolf Speyer und August Speyer. . . . Leipzig, Engelmann, 1858—62.

2 v. 22½cm.

CONTENTS.—1. th. Die tagfalter, schwärmer und spinner. (Papilio Sphinx et Bombyx s. l.) 1858.—2. th. Die noctuinen in weitem sinne. (Cymatophoridae, Noctuina s. str., Deltoidea, Chloëphoridae, Nolidae, Brepheides) Nebst nachträgen zum ersten theile. 1862.

“Quellen-verzeichniss”: 1. th. p. [441]—450.

“Quellen-verzeichniss II”: 2. th. p. [255]—260.

**Stainton, Henry Tibbatts.** A manual of British butterflies and moths. By H. T. Stainton . . . London, J. Van Voorst, 1857.

v. l. (xii, 338 p.) illus. 19½cm.

CONTENTS.—Vol. 1. Comprising the butterflies and stout-bodied moths.

**Standfuss, Max.** Handbuch der paläarktischen gross-schmetterlinge für forschler und sammler. 2. gänzlich umgearbeitete und durch studien zur descendenztheorie erweiterte aufl. des Handbuches für sammler der europäischen gross-schmetterlinge. Von Dr. M. Standfuss . . . Mit 8 lithographischen tafeln und 8 text-figuren. Jena, G. Fischer, 1896.

xii, 392 p. illus., viii col. pl. 25½cm.

Bibliography: p. 14—17.

**Staudinger, Otto.** Catalog der lepidopteren des europaeischen faunengebiets. I. Macrolepidoptera bearb. von Dr. O. Staudinger. II. Microlepidoptera bearb. von Dr. M. Wocke. Dresden, Dr. O. Staudinger [etc.] 1871. Agr 4—229

xxxviii, 426 p. 24cm.

Paging irregular; 393 bis inserted.

Added title: Catalogue ou énumération méthodique des lépidoptères qui habitent le territoire de la faune européenne. I. Macrolepidoptera, par O. Staudinger . . . II. Microlepidoptera, par M. Wocke . . .

For 3d ed. see Staudinger, Otto, Catalog der lepidopteren des palaearctischen faunengebietes.

**Staudinger, Otto.** Catalog der lepidopteren des palaearctischen faunengebietes, von Dr. phil. O. Staudinger und Dr. phil. H. Rebel. 3. aufl. des Cataloges der lepidopteren des europäischen faunengebietes. Berlin, R. Friedländer & sohn, 1901.

2 v. in 1. front. (port.) 24cm.

Agr 4—228

“Verzeichnis der abkürzungen von autorennamen und publicationen”: 1. th., p. [xv]—xxvi.

CONTENTS.—1. th. Famil. Papilionidae-Hepialidae, von Dr. O. Staudinger und Dr. H. Rebel.—2. th. Famil. Pyralidae-Micropterygidae, von Dr. H. Rebel.

**[Stephens, James Francis]** List of the specimens of British animals in the collection of the British museum. Pt. v, [x, xvi] Lepidoptera. London, Printed by order of the trustees, 1850—54.

3 pts. 18cm.

The Lepidoptera are contained in pts. v, x, xii, xvi. Pt. xii wanting.

Pt. xvi by H. T. Stainton.



**Tutt, James William.** A natural history of the British Lepidoptera; a text-book for students and collectors, by J. W. Tutt . . . London, S. Sonnenschein & co.; [etc., etc.] 1899-1904.

4 v. plates. 22<sup>cm</sup>.

**Walker, Francis.** List of the specimens of lepidopterous insects in the collection of the British museum. By Francis Walker. London, Printed by order of the trustees, 1854-66.

Agr 4—350

35 pts. 18<sup>cm</sup>.

Author's name does not appear on title pages of pt. I and II.

Pts. I-VII form 1st series, 1808 p.; pt. VIII forms 2d series, 271 p.; pts. IX-XV form 3d series, 1888 p.; pts. XVI-XIX, 4th series, 1036 p.; pts. XX-XXVI, 5th series, 1796 p.; pts. XXVII-XXX, 6th series, 1096 p.; pts. XXXI-XXXV, 7th series, 2040 p.

Each series contains index.

CONTENTS.—Pt. I-VII. Lepidoptera Heterocera.—Pt. VIII. Sphingidæ.—Pt. IX-XV. Noctuidæ.—Pt. XVI. Deltoïdes.—Pt. XVII-XIX. Pyralides.—Pt. XX-XXVI. Geometrites.—Pt. XXVII. Crambites & Tortricites.—Pt. XXVIII. Tortricites & Tineites.—Pt. XXIX-XXX. Tineites.—Pt. XXXI-XXXV. Supplement. Pt. [1]-5.

**Weiler, Josef.** Die schmetterlinge des Tauferer thales. Ein beitrage zur lepidopteren-kunde von Tirol . . . Innsbruck, 1880.

33 p. 23½<sup>cm</sup>.

Separat-abdruck aus dem Programme der K. K. Ober-realschule zu Innsbruck für das studien-jahr 1879-1880.

**Wilde, O.** Die pflanzen und raupen Deutschlands. Versuch einer lepidoptologischen botanik, von O. Wilde . . . Berlin, E. S. Mittler & sohn, 1860-61.

2 v. in 1. x pl. 20½<sup>cm</sup>.

Agr 3—376

CONTENTS.—1. th. Systematische beschreibung der pflanzen unter angabe der an denselben lebenden raupen, von O. Wilde . . . Mit einem vorworte von Dr. A. Speyer. 1860.—2. th. Systematische beschreibung der raupen unter angabe ihrer lebensweise und entwickelungszeiten, von O. Wilde. Mit 10 tafeln abbildungen. 1861.

## LARVÆ.

**Buckler, William.** The larvæ of the British butterflies and moths. By (the late) William Buckler, ed. by H. T. Stainton . . . London, Printed for the Ray society, 1886-1901.

9 v. col. pl. 22½<sup>cm</sup>.

Vol. I-IV edited by H. T. Stainton; vol. V edited (in part) by (the late) H. T. Stainton; vol. VI-IX edited by Geo. T. Porritt.

CONTENTS.—v. I. The butterflies. 1886.—v. II. The Sphinges or hawk-moths and part of the Bombyces. 1887.—v. III. The concluding portion of the Bombyces. 1889.—v. IV. The first portion of the Noctuæ, 1891.—v. V. The second portion of the Noctuæ. 1893.—v. VI. The third and concluding portion of the Noctuæ. 1895.—v. VII. The first portion of the Geometræ. 1897.—v. VIII. The concluding portion of the Geometræ. 1899.—v. IX. The Deltoïdes, Pyrales, Crambites, Tortrices, Tineæ, and Pterophori, concluding the work. 1901.

**Chambers, Vactor Tousey.** On the antennæ and trophi of lepidopterous larvæ . . . [Cincinnati, 1882]

[5]-21 p. 3 pl. 22<sup>cm</sup>.

From Journal of the Cincinnati society of natural history, v. 5, 1882.

**Dobeneck, A., freiherr von.** Die raupen der tagfalter, schwärmer und spinner des mitteleuropäischen faunen-gebietes. Mit besonderer berücksichtigung der schädlinge und deren bekämpfung. Als erster beitrage für ein bestimmungswerk der insektenlarven analytisch bearb. von Dr. A. freiherr von Dobeneck . . . Stuttgart, E. Ulmer, 1899.

Agr 3—1284

xii, 260 p. illus. 24<sup>cm</sup>.

"Litteratur": p. [xi]-xii.

**Dyar, Harrison Gray.** . . . Additional notes on the classification of lepidopterous larvæ . . . [New York] 1895.

[49]-62 p. illus. 23<sup>cm</sup>.

Reprinted from the Transactions of the New York academy of sciences, vol. XIV.

**Dyar, Harrison Gray.** . . . Descriptions of the larvæ of some moths from Colorado . . . Washington, 1902.

369-412 p. 24½cm.

From the Proceedings of the United States national museum, vol. xxv, p. 369-412 <no. 1290>

**Froggatt, Walter Wilson.** . . . Caterpillar plagues, with an account of the potato-pests at Windsor . . . Sydney, 1901.

7 p. illus., 2 pl. 25cm. (Department of agriculture, Sydney, New South Wales. Miscellaneous publication, no. 447)

From the Agricultural gazette of N. S. Wales, vol. xii. February 1901.

**Froggatt, Walter Wilson.** A leaf-mining caterpillar . . . Sydney, 1899.

2 p. pl. 25cm. ([Department of agriculture, New South Wales] Miscellaneous publication, no. 323)

From Agricultural gazette of N. S. Wales, vol. x, August, 1899.

**Gruber, August, i. e., Friedrich August.** Ueber nordamerikanische papilioniden- und nymphaliden-raupen . . . [Jena, 1884]

[465]-489 p. vii-viii fold. pl. 23½cm.

From Jenaische zeitschrift für naturwissenschaft . . . 17. bd., n. f. 10. bd.

**Hofmann, Ernst.** Die raupen der gross-schmetterlinge Europas . . . Von professor Dr. Ernst Hofmann . . . Stuttgart, Verlag der C. Hoffmann'schen verlagsbuchhandlung (A. Bleil) 1893.

Agr 5-523

1 p. l., xxiv, 318 p. illus., 50 col. pl. 29½cm.

"Verzeichnis der autoren": p. [v]-vi.

**Hofmann, Ernst.** Die raupen der schmetterlinge Europas. Von Prof. Dr. Arnold Spuler. 2. aufl. von Dr. E. Hofmann's gleichnamigen werke . . . Stuttgart, E. Schweizerbartsche verlagsbuchhandlung (E. Nägele) [1904]

Agr 5-638

2 p. l., xxxviii, [60] p. illus., 60 col. pl. 29½cm.

**Medicus, Wilhelm.** Illustrierter raupenkalender. Zusammenstellung der raupen nach monaten, in welchen sie vorkommen, und mit angabe, von welchem futter sie leben und wo sie hauptsächlich zu finden sind . . . Von Dr. Wilh. Medicus . . . Kaiserslautern, A. Gotthold [pref. 1889]

Agr 3-1184

v, [1], 80 p. vii col. pl. 16cm.

**Müller, Wilhelm** *called Müller-Blumenau.* Ueber einige im wasser lebende schmetterlings-raupen Brasiliens . . . Berlin, 1884.

[194]-216 p. 1 pl. 23cm.

From Archiv für naturgeschichte, vol. L, hft. II

**Packard, Alpheus Spring.** Notes on some points in the external structure and phylogeny of lepidopterous larvæ . . . [Boston] 1890.

83-114 p. 2 pl. 25cm.

From the Proceedings of the Boston society of natural history, vol. xxv, 1890.

**Townsend, Charles Henry Tyler.** . . . Notes on lepidopterous larvæ . . . [San Francisco, 1894]

353-358 p. 23½cm.

Extract from Zoe, vol. iv, no. 4.

## FAMILIES.

### RHOPALOCERA.

**Aurivillius, Per Olof Christopher.** . . . Rhopalocera æthiopica; die tagfalter der æthiopischen faunengebietes, eine systematisch-geographische studie, von Chr. Aurivillius . . . Der Königl. akademie der wissenschaften vorgelegt den 8. juni 1898. Stockholm, Kungl. boktryckeriet, P. A. Norstedt & söner, 1898.

Agr 3-322

561 p., 7 l. illus., vi col. pl. 31½cm. (Kongl. svenska vetenskaps-akademiens Handlingar. Bandet 31. n:o 5.)

"Verzeichniss der bisher veröffentlichten abhandlungen über die tagfalter der einzelnen gebiete Afrikas:" p. 11-21.

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[245]-254 p. illus. 21 $\frac{1}{2}$ cm.

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Extract Proc. Nebr. acad. sci., IV, p. 16-22, 1894.

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3 v. 112 (*i. e.* 113) col. pl. 32cm.

Issued in parts.

Cover-titles: Biologia centrali-americana; or, Contributions to the knowledge of the fauna and flora of Mexico and Central America. Ed. by F. Ducane Godman and Osbert Salvin.

Aug. 1898-1901, by F. Ducane Godman.

CONTENTS.—I-II. Text.—III. Plates.

**Blatchley, Willis Stanley.** . . . A catalogue of the butterflies known to occur in Indiana . . . Indianapolis, 1892.

1 p. l., 44 p., 1 l. 22 $\frac{1}{2}$ cm.

From the Seventeenth report on the geology and natural history of Indiana, p. 365-408.

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**Bramson, Konstantin Lfudvigovich.** Tableaux analytiques pour la détermination des lépidoptères diurnes (rhopalocères) d'Europe et du Caucase, par K. L. Bramson . . . (Tr. de l'allemand par l'auteur) [Bruxelles, 1894] Agr 4-3435

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**Braswell, A.** . . . List of the butterflies collected at Chapel Hill, N. C. [Raleigh] 1888.

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**Butler, Arthur Gardiner.** An account of a collection of butterflies made by the Rev. K. St. Aubyn Rogers between Mombasa and the forests of Taveta . . . [London] 1901.

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Agr 3—774

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**Butler, Arthur Gardiner.** . . . Descriptions of some remarkable new species and a new genus of diurnal Lepidoptera. Description of a new species of tiger-moth in the possession of Mr. T. W. Wood. London, 1867.

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274–291 p. 1 col. pl. 22<sup>cm</sup>.

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[7]–10 p. 21½<sup>cm</sup>.

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**Comstock, John Henry.** How to know the butterflies; a manual of the butterflies of the eastern United States, by John Henry Comstock . . . and Anna Botsford Comstock . . . New York, D. Appleton and company, 1904.

4–13626

xii, 311 p. illus., XLV col. pl. (incl. front.) 21<sup>cm</sup>.

**Dale, Charles William.** The history of our British butterflies, containing a full bibliographical notice of each species, with copious extracts from the old authors,

and full descriptions of all the British species, their eggs, caterpillars, chrysalides and varieties, with a notice of their habits, localities, frequency, &c., &c. By C. W. Dale, F. E. S. London, J. Kempster & co. [1889]

2 p. l., xli p., 2 l., 232 p. 21½cm.

**Davis, William T.** Butterflies of Staten Island. [n. p.] 1884.

1 l. 22½cm.

**Dewitz, Hermann.** . . . Afrikanische tagschmetterlinge. Von H. Dewitz . . . Eingegangen bei der Akademie den 11. december 1878. Halle, 1879.

40 p. II-III pl. 32cm. (Nova acta der Ksl. Leop.-Carol. deutschen akademie der naturforscher. bd. XLI. Pars II, nr. 2)

**Dewitz, Hermann.** . . . Westafrikanische tagschmetterlinge. (Fortsetzung zu Nova acta, bd. XLI, ps. II, nr. 2) von H. Dewitz, M. A. N. Westafrikanische nympha- liden . . . Eingegangen bei der Akademie am 10. August 1885. Halle, 1887.

8 p. col. pl. 32½cm. (Nova acta der Ksl. Leop.-Carol. deutschen akademie der naturforscher. bd. L. nr. 4.)

**Doubleday, Edward.** The genera of diurnal Lepidoptera: comprising their generic characters, a notice of their habits and transformations, and a catalogue of the species of each genus. By Edward Doubleday . . . and John O. Westwood . . . Illustrated with eighty-six plates, by William C. Hewitson . . . In two vol- umes . . . London, Longman, Brown, Green, and Longmans, 1846-52.

2 v. 86 pl. (85 col.) 39½cm.

CONTENTS.—vol. I. Containing the families Papilionidæ, Pieridæ, Ageronidæ, Danaidæ, Heli- conidæ, Acraeidæ, and part of the Nymphalidæ, by Edward Doubleday. 1846-50.—vol. II. Contain- ing the remainder of the family Nymphalidæ, and the families, Morphidæ, Brassolidæ, Satyridæ, Libytheidæ, Erycinidæ, Lycenidæ, and Hesperidæ; with a supplement, by John O. Westwood. 1850-52.

**Druce, Herbert.** A list of the collection of diurnal Lepidoptera made by Mr. J. J. Monteiro, in Angola, with descriptions of some new species . . . [London] 1875.

406-417 p. 22cm.

From the Proceedings of the Zoological society of London, June 1, 1875.

**Druce, Herbert.** A list of the collections of diurnal Lepidoptera made by Mr. Lowe in Borneo, with descriptions of new species . . . [London, 1873]

[337]-361 p. XXXII-XXXIII col. pl. 22cm.

From the Proceedings of the Zoological society of London, March 18, 1873.

**Duncan, James.** . . . Entomology. British butterflies. By James Duncan, M. W. S., etc. Edinburgh, W. H. Lizars; [etc., etc.] 1860.

Agr 3-49

4 p. l., [17]-246 p. front. (port.) 34 pl. (partly col.) 17½cm. (The naturalist's library. Ed. by Sir William Jardine . . . [Reprint] vol. xxix)

Engr. half t.-p.

Reprint of his The natural history of British butterflies. 1835.

"Mémorial of Werner." Translation of the Elogé of Baron Cuvier: p. [17]-40.

**Duncan, James.** . . . Entomology. Foreign butterflies. By James Duncan . . . Edinburgh, W. H. Lizars; [etc., etc.] 1858.

Agr 3-53

4 p. l., [17]-208 p. front. (port.) illus., 30 col. pl. (1 fold.) 17½cm. (The naturalist's library. Ed. by Sir William Jardine . . . [Reprint] vol. xxxi)

Engr. half t.-p.

Reprint of his The natural history of foreign butterflies. 1837.

"Mémorial of Lamarck," p. [17]-63.

**Duncan, James.** The natural history of British butterflies. Illustrated by thirty- six plates; with memoir and portrait of Werner. By James Duncan, M. W. S. Edin- burgh, W. H. Lizars; [etc., etc.] 1835.

Agr 3-50

xv, [17]-246 p. front. (port.) 34 pl. (partly col.) 18cm. (The naturalist's library. Conducted by Sir William Jardine . . . Entomology. vol. III)

Engr. half t.-p.

The Memoir of Werner is a translation of the "Elogé of Baron Cuvier, pronounced before the Royal institute of France."

**Duncan, James.** The natural history of foreign butterflies. Illustrated by thirty-three coloured plates; with memoir and portrait of Lamarck. By James Duncan, M. W. S. Edinburgh, W. H. Lizars; [etc., etc.] 1837. Agr 3-54  
 xv, [17]-208 p. front. (port.) illus., 30 col. pl. 18½cm. (The naturalist's library. Conducted by Sir William Jardine . . . Entomology. vol. v)  
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**Edwards, William Henry.** The butterflies of North America [by] William H. Edwards . . . Boston, New York, Houghton, Mifflin and company, 1879-97.  
 3 v. col. plates. 29½cm.  
 Imprint of v. 1: Philadelphia, The American entomological society, 1868-72; text reprinted, Boston, Houghton, Osgood and company, 1879.

**Edwards, William Henry.** Descriptions of certain species of diurnal Lepidoptera found within the limits of the United States and of British America . . . Philadelphia, 1861-62.  
 3 pts. 1 col. pl. 24cm.  
 From the Proceedings of the Academy of natural sciences of Philadelphia, July, 1861, February and April, 1862.

**Edwards, William Henry.** Synopsis of North American butterflies. By William H. Edwards . . . Philadelphia, The American entomological society, 1872; text reprinted, Boston, Houghton, Osgood and company, 1879. Agr 5-515  
 v, 52 p. 29½cm. [*With his* The butterflies of North America. v. 1. Philadelphia, 1868-72; text reprinted, Boston, 1879]  
 "Authors and works quoted in Synopsis": p. III-v.

**Eimer, G. H. Theodor.** Die artbildung und verwandtschaft bei den schmetterlingen. Eine systematische darstellung der abänderungen, abarten und arten der segelfalter-ähnlichen formen der gattung Papilio. Von Dr. G. H. Theodor Eimer . . . Jena, G. Fischer, 1889.  
 xii, 243 p. illus. 25½cm. and atlas (iv col. pl.) 34½cm.

**Felder, Cajetan, freiherr von.** Rhopalocera von Dr. Cajetan Felder . . . von Rudolf Felder . . . Wien, Aus der Kaiserlich-königlichen hof- und staatsdruckerei, 1864-67. Agr 4-276  
 1 p. l., vi, 548 p., 1 l. 31cm. (*Added t-p.*: Reise der österreichischen fregatte Novara um die erde in den jahren 1857, 1858, 1859, unter den befehlen des commodore B. von Wüllerstorff-Urbair. Zoologischer theil. 2. bd. 2. abth.: Lepidoptera von Dr. Cajetan und Rudolph Felder. Rhopalocera. Text . . .)  
 The plates to accompany above text are included in the volume entitled: Lepidoptera, von Dr. Cajetan Felder . . . von Rudolf Felder . . . und Alois F. Rogenhofer . . . Atlas von 140 tafeln . . . Wien . . . 1864-75.

**Fernald, Charles Henry.** The butterflies of Maine. Designed for the use of the students in the Maine State college and the farmers of the State . . . Augusta, 1884.  
 104 p. illus. 22cm.  
 Also published as Appendix to Annual reports . . . of the State college of agriculture and the mechanic arts, Orono, Me., 1883.

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 15 p. 24½cm.

**French, George Hazen.** Analytical tables of the butterflies of Illinois. Carbondale, Ill., 1879.  
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**Gosse, Philip Henry.** . . . "The prehensores of male butterflies of the genera Ornithoptera and Papilio." (Abstract.) [London], 1881.  
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[52]-82 p. III-v pl. 24½<sup>cm</sup>.

From the Proceedings of the Boston society of natural history, vol. xxv, 1890.

**Holland, William Jacob.** The butterfly book: a popular guide to a knowledge of the butterflies of North America, by W. J. Holland . . . with 48 plates in color-photography, reproductions of butterflies in the author's collection, and many text illustrations presenting most of the species found in the United States. New York, Doubleday & McClure co., 1898.

Dec. 14, 98-64

1 p. l., xx, 382 p. illus., XLVIII col. pl. (incl. front.) 26½<sup>cm</sup>.

"Books about North American butterflies": p. 69-74.

**Kirby, William Forsell.** A synonymic catalogue of diurnal Lepidoptera, by W. F. Kirby . . . London, J. Van Voorst; [etc., etc.] 1871.

v p. 1 l., 690 p. 22½<sup>cm</sup>.

— — — Supplement, March, 1871-June, 1877. London, J. Van Voorst, 1877.  
iv p., 2 l., [691]-883 p. 23<sup>cm</sup>.

**Kirby, William Forsell.** The young collector's handbook of butterflies. By W. F. Kirby . . . London, W. S. Sonnenschein & co. [n. d.]

32 p. illus. 16½<sup>cm</sup>.

**Kopman, Henry H.** The butterflies of Louisiana . . . [New Orleans] 1903.

From the Times-Democrat, April 12, 1903.

Mounted clippings on 4 sheets 20 x 13½<sup>cm</sup>.

**Leech, John Henry.** Butterflies from China, Japan, and Corea. By John Henry Leech . . . London, R. H. Porter, 1892-94.

3 v. illus., XLIII (*i. e.* 48) pl. (partly col.) 1 fold. map. 28½<sup>cm</sup>.

CONTENTS.—[pt. I] Dedication. Preface. Systematic list of families, genera and species. Introduction. Geographical distribution tables. Nymphalidæ. Lemoniidæ. 1892-94.—[pt. II. Lyce-nidæ. Papilionidæ. Hesperiidæ. [Appendix. Index of genera and species] 1893-94.—[pt. III] Plates. 1892-94.

**Lyman, Henry H.** . . . Dimorphism and polymorphism in butterflies . . . [Montreal] 1899.

[24]-35 p. 22½<sup>cm</sup>.

"Reprinted from the Canadian record of science, January, 1899."

**Marshall, George Frederick Leycester.** The butterflies of India, Burmah and Ceylon. A descriptive handbook of all the known species of rhopalocerous Lepidoptera inhabiting that region, with notices of allied species occurring in the neighbouring countries along the border; with numerous illustrations. By Major G. F. L. Marshall . . . and Lionel de Nicéville . . . The illustrations drawn by Babu Gris Chunder Chuckerbutty and Babu Behari Lall Dass. The wood engravings by George Pearson. The autotype plates by the Autotype company of London. The chromolithographs by Messrs. West, Newman & co. Calcutta, Printed and published by the Calcutta central press co., ld., 1882-90.

Agr 3—347

3 v. 3 front., illus., XXIX pl. (partly col.) 25½<sup>cm</sup>.

Vol. II-III by Lionel de Nicéville.

**Maynard, Charles Johnson.** The butterflies of New England; with original descriptions of one hundred and six species, accompanied by eight lithographic plates, in which are given at least two hand-colored figures of each species, by C. J. Maynard. Boston, Mass., B. Whidden, 1886.

Agr 3—1258

iv p., 1 l., 65, [2] p. VIII col. pl. incl. front. 36<sup>cm</sup>.

Each plate accompanied by leaf of description.

**Miskin, William Henry.** A synonymical catalogue of the Lepidoptera Rhopalocera (butterflies) of Australia, with full bibliographical reference; including descrip-

tions of some new species. By W. H. Miskin . . . [Brisbane, J. C. Beal, government printer, 1891] Agr 4—291

xx, 92 p., 1 l., ix numb. l. 22<sup>cm</sup>. (*Added t.p.*: Annals of the Queensland museum, no. 1)

"List of authors quoted in this catalogue with abbreviations and full names": p. [xi]—xiv.

"Abbreviations and full titles of all the works quoted in this catalogue": p. [xv]—xx.

**Moore, Frederic.** . . . Descriptions of new Asiatic diurnal Lepidoptera . . . [London] 1883.

521–535 p. XLVIII–XLIX col. pl. 21<sup>½</sup><sup>cm</sup>.

From the Proceedings of the Zoological society of London, November 20, 1883.

**Olliff, Arthur Sidney.** . . . Australian butterflies; a brief account of the native families, with a chapter on collecting and preserving insects. By A. Sidney Olliff . . . Sydney, Batson & co., printers, 1889. Agr 4—3577

1 p. l., 48 p., 1 l. illus. 21<sup>½</sup><sup>cm</sup>.

Pub. by the Natural history association of New South Wales.

**Olliff, Arthur Sidney.** . . . On Rhopalocera from the vicinity of Mt. Bellen-den-Ker, Queensland . . . [Sidney] 1888.

[394]–396 p. 21<sup>½</sup><sup>cm</sup>.

From vol. III (series 2nd) of the "Proceedings of the Linnæan society of New South Wales" (March 28th, 1888)

**Riley, Charles Valentine.** . . . Philosophy of the pupation of the butterflies and particularly of the Nymphalidæ . . . [Salem, 1880]

9 p. illus. 24<sup>cm</sup>.

From the Proceedings of the American association for the advancement of science, vol. XXVIII, Saratoga meeting, August, 1879.

**Schaus, William.** . . . Descriptions of new American butterflies . . . Wash- ington, 1902.

1 p. l., 383–460 p. 24<sup>½</sup><sup>cm</sup>.

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**Scudder, Samuel Hubbard.** . . . Antigeny, or sexual dimorphism in butter- flies . . . [Boston, 1877]

[149]–158 p. 23<sup>½</sup><sup>cm</sup>.

From the Proceedings of the American academy of arts and sciences, vol. XII. 1877.

**Scudder, Samuel Hubbard.** . . . A brief comparison of the butterfly faunas of Europe and eastern North America, with hints concerning the derivation of the lat- ter . . . [Salem, Mass., 1877]

[268]–273 p. 24<sup>½</sup><sup>cm</sup>.

From the Proceedings of the American association for the advancement of science, Buffalo meet- ing, August, 1876.

**Scudder, Samuel Hubbard.** Brief guide to the commoner butterflies of the northern United States and Canada; being an introduction to a knowledge of their life-histories, by Samuel Hubbard Scudder. New York, H. Holt and company, 1893.

xi, 206 p. illus. 19<sup>½</sup><sup>cm</sup>.

"Some works on American butterflies": p. 27–32.

**Scudder, Samuel Hubbard.** The butterflies of the eastern United States and Canada with special reference to New England. By Samuel Hubbard Scudder . . . Cambridge, Published by the author, 1889.

3 v. fronts. (ports.) 89 pl. (partly col.) 3 maps (2 fold.) 28<sup>½</sup><sup>cm</sup>.

CONTENTS.—Vol. I. Introduction, Nymphalidæ.—Vol. II. Lycænidæ, Papilionidæ, Hesperidæ.— Vol. III. Appendix, plates.

**Scudder, Samuel Hubbard.** Every-day butterflies, a group of biographies, by Samuel Hubbard Scudder . . . Boston and New York, Houghton, Mifflin and company, 1899. Agr 3—359

vi p., 1 l., 391 p. col. front., illus., 8 col. pl. 20<sup>½</sup><sup>cm</sup>.

4044—No. 55—06—21

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[Boston? 1869]

[2] p. 21<sup>cm</sup>.

From the American naturalist, August, 1869.

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Agr 4—2 '86

2 p. 1., 83 p. 19½<sup>cm</sup>.

Reprinted from Psyche, vol. 3.

**Scudder, Samuel Hubbard.** Historical sketch of the generic names proposed for butterflies. *See under* Entomology. Nomenclature.

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4—21501

186 p. 4 pl. 18<sup>cm</sup>.

**Scudder, Samuel Hubbard** . . . A list of the butterflies of New England . . . [Salem?, Mass.] 1863.

[161]—179 p. 23½<sup>cm</sup>.

From the Proceedings of the Essex institute, Salem, Mass., vol. III, read at the meeting of March 10, 1862.

— — Supplement. [Boston, 1868]

[375]—384 p. 24<sup>cm</sup>.

From the Proceedings of the Boston society of natural history, vol. XI, January 22, 1868.

**Scudder, Samuel Hubbard.** Notice of a small collection of butterflies, made by Dr. A. S. Packard, in Colorado and Utah, in 1875 . . . [Washington, 1876]

269—270 p. 23<sup>cm</sup>.

From Bulletin of the U. S. geological and geographical survey of the territories, v. 2, no. 3. 1876.

**Scudder, Samuel Hubbard.** Notice of the butterflies and Orthoptera, collected by Mr. George M. Dawson, as naturalist of the B. N. A. boundary commission . . . [n. p., 1875]

5 p. 22½<sup>cm</sup>.

**Scudder, Samuel Hubbard.** . . . Notice of the butterflies collected by Dr. Edward Palmer in the arid regions of southern Utah and northern Arizona during the summer of 1877 . . . Washington, 1878.

253—258 p. 23<sup>cm</sup>.

Extracted from the Bulletin of the United States geological and geographical survey, vol. IV, no. 1.

**Scudder, Samuel Hubbard.** . . . A preliminary list of the butterflies of Iowa. By Samuel H. Scudder. [Chicago, 1869?]

326—337 p. 28½<sup>cm</sup>.

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**Scudder, Samuel Hubbard.** . . . Synonymic list of the butterflies of North America, north of Mexico . . . [Buffalo, 1875—76]

2 pts. 23<sup>cm</sup>.

From the Bulletin of the Buffalo society of natural sciences, vol. II, p. 233—269; vol. III, p. 98—129.

**Scudder, Samuel Hubbard.** A systematic revision of some of the American butterflies, with brief notes on those known to occur in Essex county, Mass. . . . Salem, Mass., 1872.

62 p. 22½<sup>cm</sup>.

From the Report of the Peabody academy of science for 1871, p. 24 to 82, inclusive.

**Sharpe, Emily Mary.** . . . Description of two new butterflies collected by Major E. M. Woodward in Nandi, equatorial Africa . . . [London, 1899]

[243]—244 p. 22<sup>cm</sup>.

From the Annals and magazine of natural history, ser. 7, vol. III, March 1899.

**Skinner, Henry.** A synonymic catalogue of the North American Rhopalocera, by Henry Skinner . . . Philadelphia, American entomological society, 1898.

xv, [1], 99, [1], xiv p. 24<sup>cm</sup>.



A table of the British butterflies, arranged according to a scale of sizes. [n. p., n. d.]

98 x 63<sup>cm</sup>. (fold. 20 x 11<sup>cm</sup>.)

Ms.

**Tepper, J. Gottlieb Otto.** Notes and remarks on South Australian Rhopalocera . . . [Adelaide, 1893]

[281]–286 p. 21½<sup>cm</sup>.

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**Trimen, Roland.** On a collection of butterflies made in Manica, tropical south-east Africa, by Mr. F. C. Selous, in the year 1892 . . . [London, 1894]

14–82 p. iv–vi col. pl. 22½<sup>cm</sup>.

From the Proceedings of the Zoological society of London, January 16, 1894.

**Trimen, Roland.** . . . On butterflies collected in tropical south-western Africa by Mr. A. W. Eriksson . . . [London, 1891]

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**Eliot, Ida Mitchell.** Caterpillars and their moths, by Ida Mitchell Eliot and Caroline Gray Soule; with illustrations from photographs of living caterpillars and spread moths by Edith Eliot. New York, The Century co., 1902. 2-22496

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From vol. ix. (series 2nd) of the "Proceedings of the Linnean society of New South Wales" (June 27th, 1894)

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**Mayer, Alfred Goldsborough.** . . . On the mating instinct in moths . . . London, 1900.

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CONTENTS.—pt. I. Sphinges and Bombyces.—pt. II. Noctuidina, Geometridina and Pyralidina, by Colonel C. Swinhoe. Pterophoridae and Tineina, by the Right Hon. Lord Walsingham . . . and John Hartley Durrant.

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**Beutenmüller, William.** Descriptive catalogue of the Sphingidæ found within fifty miles of New York city . . . New York, 1895.

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Agr 3—416

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**Butler, Arthur Lennox.** Report on the caterpillars of Cephonodes hylas attacking the coffee in the district of Sungei Ujong, Negri Sembilan . . . [n. p., 1900]

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**Giard, Alfred.** Évolution d'Acherontia atropos. Rennes, 1903.

4 p. 26<sup>cm</sup>.From La feuille des jeunes naturalistes, iv<sup>e</sup> série, 33<sup>e</sup> année, n<sup>o</sup> 391, 1<sup>er</sup> mai 1903, p. 124-127.

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220-225 p. 22 $\frac{1}{2}$ <sup>cm</sup>.

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**Newman, Edward.** Sphinx vespiformis: an essay by Edward Newman . . . London, F. Westley & A. H. Davis, 1832.

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**Rothschild, Hon. Walter i. e. Lionel Walter.** . . . A revision of the lepidopterous family Sphingidæ. By the Hon. Walter Rothschild, PH. D., and Karl Jordan . . . Issued at the Zoological museum, Tring, March 1903. London and Aylesbury, Printed by Hazell, Watson & Viney, ld., 1903.

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2 v. 67 pl. (7 col.) fold. tables. 28 $\frac{1}{2}$ <sup>cm</sup>. (Novitates zoologicæ. Vol. IX. Supplement)

Paged continuously; [v. 1]: cxxxv, 813 p.; [v. 2]: 2 p. l., 815-972 p., 67 l.

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## CASTNIIDÆ.

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**Westwood, John Obadiah.** . . . Descriptions of some new exotic species of moths . . . [London, 1881]

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[155]—207 p. xxviii-xxxiii pl. (partly col.) 29 $\frac{1}{2}$ <sup>cm</sup>.

Extracted from the "Transactions of the Linnean society of London," second series—Zoology, vol. 1.

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**Camboué, R. Paul.** Sur l'Urania rhipheus . . . [Москва, n. d.]

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**Westwood, John Obadiah.** . . . Observations on the Uraniidæ, a family of lepidopterous insects, with a synopsis of the family and a monograph of Coronidia, one of the genera of which it is composed . . . Received March 18th, read April 16th, 1878. [London, 1879]

[507]—542 p. lxxxv-lxxxviii pl. (partly col.) 31 $\frac{1}{2}$ <sup>cm</sup>.

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**Hagen, Hermann August.** On Attacus (Samia) columbia and its parasites . . . [Buffalo] 1875.

201-208 p. 23<sup>cm</sup>.

From the Bulletin of the Buffalo society of natural sciences, v. 2.

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**Strecker, Herman, i. e. Ferdinand Heinrich Herman.** The larva of *Samia gloveri*, Streck. . . . [Davenport, Ia., 1880]

276-278 p. 24 cm.

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**Hampson, Sir George Francis, 10th bart.** Catalogue of the Syntomidæ in the collection of the British museum. By Sir George F. Hampson, bart. London, Printed by order of the trustees, 1898.

xxi, 559 p. and atlas of XVII col. pl. illus., fold. tab. 23cm. (*Added t.p.* Catalogue of the Lepidoptera Phalænæ in the British museum. vol. I)

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**Butler, Arthur Gardiner.** . . . Description of a new genus of heterocerous Lepidoptera, founded upon the *Papilio charmione* of Fabricius . . . [London] 1869.

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**Hampson, Sir George Francis, 10th bart.** Catalogue of the Arctiadæ (Arctiænæ) and Agaristidæ in the collection of the British museum. By Sir George F. Hampson, bart. London, Printed by order of the trustees, 1901.

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**Howard, Leland Ossian.** Army worm (*Leucania unipuncta* Haw.) Washington, 1894.

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On cover: Prize essay. The silver pitcher, offered by H. A. Stollenwerck & bros., for the best essay on the destruction of the caterpillar, awarded to J. D. Holt, Livingston, Ala.

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Extrait du Bulletin du Muséum d'histoire naturelle de Paris, 1903, no. 2, p. 57.

**Riley, Charles Valentine.** Descriptions of two new moths . . . [St. Louis, 1878]

240-255 p. illus. 23cm.

From the Transactions of the Academy of science of St. Louis. vol. III. 1868-1877.

## LIPARIDÆ.

**Bavaria—Government.** Die nonne, auch fichtenspinner, fichtenbär, rothbauch genannt (*Liparis monacha*). Naturgeschichtliche beschreibung der nonne, nebst kurzer darlegung der lebensweise und des forstlichen verhaltens derselben, dann bezeichnung der massnahmen zur vertilgung des insektes in den verschiedenen entwicklungs-zuständen (als falter, ei, raupe und puppe). Auf veranlassung der betheiligten staatsministerien für waldbesitzende gemeinden &c. und privatwaldbesitzer zusammengestellt von bayerischen forstbeamten. München, M. Rieger'sche universitäts-buchhandlung, 1890.

16 p. illus. 22½cm.

**Beutenmüller, William.** Description of a new moth from North Carolina . . . New York, 1903.

585-586 p. 24½cm.

Author's edition, extracted from Bulletin of the American museum of natural history, vol. XIX, article XXIII, pp. 585-586.

**Boas, Johan Erik Vesti.** Et besøg paa de af nonnen angrebne svenska skovdi-strikter i juli 1899 . . . [Kjøbenhavn, 1899]

[134]-146 p. 3-8 pl. 20cm.

Særtryk af "Tidsskrift for skovvæsen," XI, række B.

**Boas, Johan Erik Vesti.** Bøgenonnen i 1901. [Kjøbenhavn 1901?]

[146]-148 p. 21cm. (Skoven og dyrelivet. 65)

**Boas, Johan Erik Vesti.** Nonnen. I anledning af dens optræden i Sverrig 1898 . . . Kjøbenhavn, 1899.

[73]-85 p. col. pl. 20cm.

Særtryk af Tidsskrift for skovvæsen bd. XI, B.

- Boas, Johan Erik Vesti.** Nonnens optræden i Sverrig og i Danmark i de sidste aar . . . [København, 1903?]  
46-63 p. 20½cm.  
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- Chrétien, Pierre.** Étude sur les lépidoptères, la ponte de la Tephrosia crepuscularia et de certaines liparides . . . [Paris] 1882.  
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From Le naturaliste, v. 4, no. 18, September 15, 1882.
- Coleman, N.** . . . Notes on the changes in the larvæ of Orgyia leucostigma . . . [Boston] 1882.  
[39]-42 p. 22cm.  
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- Fernald, Charles Henry.** The brown-tail moth, Euproctis chrysorrhœa (L.) A report on the life history and habits of the imported brown-tail moth, together with a description of the remedies best suited for destroying it. By Charles H. Fernald . . . and Archie H. Kirkland . . . Published under the direction of the State board of agriculture by authority of the legislature. Boston, Wright & Potter printing co., state printers, 1903. Agr 4-893  
73 p. 14 pl. incl. front., map. 23cm.
- Forbush, Edward H.** The gypsy moth. Porthetria dispar (Linn.) A report of the work of destroying the insect in the commonwealth of Massachusetts, together with an account of its history and habits both in Massachusetts and Europe. By Edward H. Forbush . . . and Charles H. Fernald . . . Published under the direction of the State board of agriculture by authority of the Legislature. Boston, Wright & Potter printing co., state printers, 1896.  
xii, 495, c p. illus., 66 pl. (partly col.) incl. col. front., v maps. 23cm.  
11 of the plates accompanied by leaf of descriptive text.  
"Literature on the gypsy moth": p. 257-267.
- Froggatt, Walter Wilson.** . . . On the bag-shelters of lepidopterous larvæ of the genus Teara . . . [Sydney] 1896.  
258-260 p. 1 pl. 22cm.  
From the Proceedings of the Linnean society of New South Wales, 1896, pt. 2, June 24th.
- Great Britain—Board of agriculture.** Tent caterpillars. See under Lasiocampidæ, p. 347.
- Grevillius, Anders Yngve.** Zur kenntnis der biologie des goldafters (Euproctis chrysorrhœa (L) Hb.) und der durch denselben verursachten beschädigungen. Von Dr. A. Y. Grevillius . . . Leipzig, G. Thieme, 1905. Agr 5-637  
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"Verzeichnis der benutzten literatur": p. 319-322.  
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- Hancock, Joseph Lane.** The white-marked tussock-moth (Orgyia leucostigma Smith and Abbott) in Chicago . . . [Boston] 1894.  
326-328 p. illus. 24cm.  
From the American naturalist, v. 28. April 1, 1894.
- Howard, Leland Ossian.** Gipsy moth in America: a summary account of the introduction and spread of Porthetria dispar in Massachusetts and the efforts made by the state to repress and exterminate it. Washington, 1897.  
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- Massachusetts—State board of agriculture.** Report . . . on the work of extermination of the gypsy moth. Jan., 1893-99. Boston, Wright & Potter printing co., state printers, 1893-[99]  
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**Silant'ev, A. A.** Монашенка (*Ocneria monacha* L.) въ лѣсахъ царства польскаго въ 1893 году, ея образъ жизни, распространение и борьба съ нею. А. А. Силантьевъ. Москва, Типо-литографія Г. С. Ламакина, 1895.

61 p. fold. tab. 25cm.

The nun moth (*Ocneria monacha* L.) in the forests of the government of Poland in 1893, its habits, distribution and the struggle against it.

**Wachtl, Fritz A.** . . . Beiträge zur kenntniss der morphologie, biologie und pathologie der nonne (*Psilura monacha* L.) und versuchsergebnisse über den gebrauchswerth einiger mittel zur vertilgung der raupen. Von Fritz A. Wachtl, und Karl Kornauth . . . Wien, K. u. K. Hof-buchhandlung W. Frick, 1893.

4 p. l., 38 p., 3 l. illus., III pl. (1 col.) 29½cm. (Mittheilungen aus dem forstlichen versuchswesen Österreichs. XVI. heft)

[**Wasmann, Eric**] . . . Die nonne. [Freiburg i. B., 1893]

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**Morgan, Joseph Harcourt Alexander.** Some observations upon *Artace punctistriga*. (U. S. Agriculture, Dept. of—Experiment stations, Office of. Bulletin 99. Washington, 1901. p. 182–183. 3 pl.)

**Philippi, Federico.** Escrecencias de la vid y dos insectos dañinos al agricultor . . . Santiago de Chile, 1887.

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**Walsingham, Thomas De Grey, 6th lord.** . . . Contributions to the knowledge of the genus *Anaphe*, Walker . . . London, 1885.

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**Jones, Edward Dukinfield.** Notes on the various stages of the "hammock moth" . . . [London and Liverpool] 1879.

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From the Proceedings of the Literary and philosophical society of Liverpool, v. 33, p. 77–81.

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**Beutenmüller, William.** Descriptive catalogue of the bombycine moths found within fifty miles of New York City . . . New York, 1898.

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Author's ed., extracted from Bulletin of the American museum of natural history, vol. x, article xvii.

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v. 1-2. plates (partly col.) maps. 31<sup>cm</sup>. (Added t.p.: Memoirs of the National academy of sciences. Vol. VII, IX)

CONTENTS.—pt. I. Notodontidae.—pt. II. Ceratocampidae, subfamily Ceratocampinae.

**Packard, Alpheus Spring.** New American moths; Zygænidæ and Bombycidæ. See under Zygænidæ, p. 338.

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From the Annals of the New York academy of sciences, vol. VIII, May, 1893.

**Reichenbach, Ludwig.** Ein zweifelhafter triton und eine ausgezeichnete varietät von *Euprepia villica* . . . Eingegangen bei der Akademie im december 1865. Dresden, 1865.

15 p. col. pl. 30½<sup>cm</sup>.

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**Reuter, Enzo.** . . . *Bombyx lanestris* L. var. *Aavasaksæ* Teich och dess utvecklingshistoria . . . [Helsingfors] 1890.

[48]-54 p. 23<sup>cm</sup>.

From Societas pro fauna et flora fennica. Meddelanden no 17, 1890.

**Stretch, Richard H.** Illustrations of the Zygænidæ & Bombycidæ. See under Zygænidæ, p. 338.

**Verson, Enrico.** Lo sviluppo postembrionale degli organi sessuali accessori nella femina del *Bombyx mori*, nota preventiva. Venezia, 1896.

7 p. 22½<sup>cm</sup>.

From Atti del R. Istituto veneto di scienze, lettere ed arti, tomo VII, serie VII.-1895-96.

## PLATYPTERYGIDÆ.

**Packard, Alpheus Spring.** 1. Life history of *Drepana arcuata*. 2. Hints on the evolution of the bristles, spines and tubercles of certain caterpillars . . . [Boston] 1890.

482-560 p. III-IV pl. 24½<sup>cm</sup>.

From the Proceedings of the Boston society of natural history, vol. xxiv, 1890.

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**Bolle, Giovanni.** Der frostpanner des kirschbaumes und dessen vertilgung mittelst der klebetheeringe . . . [Görz, 1897]

7 p. illus. 23½<sup>cm</sup>.

Auszug aus den "Atti e memorie" der K. K. Landwirtschaftlichen gesellschaft in Görz (heft 10), 1897.

**Britton, Wilton Everett.** Observations on the banding of trees to prevent injury by the fall cankerworm. (U. S. Agriculture, Dept. of—Experiment stations, Office of. Washington, 1901. Bulletin 99. p. 160-161)

**Coquillett, Daniel William.** Canker-worms. Washington, 1895.

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**Druce, Herbert.** . . . Descriptions of new species of *Eratina* from tropical South America. [London] 1892.

[97]—107 p. 22<sup>cm</sup>.

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**Graeff, H. A.** The measure worm ("Ennomos subsignaria"—Hübner), a description of the insect in all its metamorphoses, its history and progress, and a systematic plan for its final extermination, together with remarks on the state of shade trees in the city of Brooklyn, by H. A. Graeff & Edw. Wiebe . . . Brooklyn, 1862.

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**Great Britain—Board of agriculture.** . . . The magpie moth (*Abraxas grossulariata*). [London, 1897]

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**Grosjean, H.** Note sur la destruction de la chématobie . . . Paris, 1896.

2 p. 28<sup>cm</sup>.

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**Gumpfenberg, Carl, freiherr von.** . . . Systema geometrarum zonæ temperatioris septentrionalis. Systematische bearbeitung der spanner der nördlichen gemäßigten zone von C. Freih. v. Gumpfenberg . . . Halle, 1887-96.

8 pts in 1 v. 8 pl. incl. 3 maps. 32<sup>cm</sup>. (Nova acta der Ksl. Leop.-Carol. deutschen akademie der naturforscher, bd. XLIX, nr. 4; bd. LII, nr. 4; bd. LIV, nr. 4; bd. LIV, nr. 5; bd. LVIII, nr. 4; bd. LIX, nr. 2; bd. LXIV, nr. 6; bd. LXV, nr. 3)

"Benützte literatur": 1. th., p. 7-8.

**Lederer, Julius.** Die spanner. (Als fortsetzung des im vorigen jahre dieser zeitschrift enthaltenen aufsatzes: "Versuch, die europäischen lepidopteren in möglichst natürliche reihenfolge zu stellen." [Wien] 1853.

106 p. 2 pl. 21½<sup>cm</sup>.

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**Mann, Benjamin Pickman.** . . . Description of a monstrous female imago of *Anisopteryx pometaria*, with remarks on the pupa . . . [Boston] 1873.

2 p. 22<sup>cm</sup>.

From the Proceedings of the Boston society of natural history, vol. xvi, November 26, 1873, p. 163-165.

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**Packard, Alpheus Spring.** Catalogue of the Phalænidæ of California . . . [Boston] 1870-73.

2 pts. 1 pl. 23½<sup>cm</sup>.

From the Proceedings of the Boston society of natural history, vol. XIII, 1871, p. 381-405, vol. xvi, 1873, p. 13-40.

**Packard, Alpheus Spring.** Descriptions of new American Phalænidæ . . . [Salem, 1873]

52-81 p. 24½<sup>cm</sup>.

From the Fifth annual report of the trustees of the Peabody academy of science, for the year 1872.

**Packard, Alpheus Spring.** Descriptions of new North American Phalænidæ and Phyllopoda . . . [Salem] 1874.

39-57 p. 25<sup>cm</sup>.

From the Sixth annual report of the Peabody academy of science, 1874.



**Packard, Alpheus Spring.** Life-histories of some geometrid moths . . . [Philadelphia, 1884]

933-936 p. 23<sup>cm</sup>.

From the American naturalist, September, 1884, vol. XVIII.

**Packard, Alpheus Spring.** . . . A monograph of the geometrid moths or Phalænidae of the United States. By A. S. Packard, jr., M. D. Washington, Gov't print. off., 1876.

iv, p., 2 l., 607 p., 13 l. XIII pl. 30<sup>1</sup>/<sub>2</sub><sup>cm</sup>. (*Added t.-p.*: Department of the interior. Report of the United States geological survey of the territories. F. V. Hayden, United States geologist-in-charge. volume x)

**Packard, Alpheus Spring.** Notes on North American moths of the families Phalænidae and Pyralidae in the British museum . . . [Salem, 1873]

82-92 p. 24<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

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**Rainbow, William Joseph.** . . . Description of the larva of *Pseudoterpna percomptaria*, Gn. . . . Description of a new araneiad . . . [Sydney, 1898]

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**Riley, Charles Valentine.** . . . Canker-worms: being an account of the two species injurious to fruit and shade trees, with practical suggestions . . . [Washington] 1883.

2 p. l., 157-197 p. illus., pl. 23<sup>cm</sup>.

Author's edition, extracted from the Third report of the United States entomological commission.

**Riley, Charles Valentine.** . . . A new herbarium pest . . . Chicago, 1891.

[334]-337 p. illus. 24<sup>cm</sup>.

From the Botanical gazette, December, 1891.

**Riley, Charles Valentine.** On the differences between *Anisopteryx pometaria*, Harr., and *Anisopteryx æscularia*, W.-V., with remarks on the genus *Paleacrita* . . . [St. Louis, 1878]

30-34 p. 23<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

From the Transactions of the Academy of science of St. Louis, vol. III, no. 4, p. 573-577.

**Riley, Charles Valentine.** Remarks on canker-worms and description of a new genus of Phalænidae . . . [St. Louis] 1875.

273-280 p. illus. 23<sup>cm</sup>.

From the Transactions of the St. Louis academy of science, vol. III.

**Schøyen, Wilhelm Maribo.** . . . Fjeldbirkemaaleren (*Cidaria dilutata* S. V.) . . . [Kristiania? 1891]

[74]-86 p. 22<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

Særtryk af "Den Norske forstforenings Aarbog for 1891."

**Schøyen, Wilhelm Maribo.** . . . Larvehærjinger paa birkeskoven i Tromsø amt . . . [n. p., 189-]

[4] p. 23<sup>cm</sup>.

Separataftryk af „Tidsskrift for skovbrug."

**White, Francis Buchanan.** . . . Some notes on the British species of *Oporabia* . . . [Perth, 1877]

11 p. pl. 21<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

"Further notes on the species of *Oporabia*": p. 9-11.

From the Scottish naturalist, vol. IV, 1877.

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**Froggatt, Walter Wilson.** . . . Australian case or bag moths. Sydney, 1899. 7 p. pl. 25<sup>cm</sup>. (Department of agriculture, Sydney, New South Wales. Miscellaneous publication, no. 337)

From Agricultural gazette of N. S. Wales, vol. x, October, 1899.

"Bibliography": p. 7.

**Gibson, William Hamilton.** A fatherless and motherless race. A strange insect—the basket carrier or house-builder caterpillar . . . [New York] 1878.

2199–2200 p. illus. 41<sup>cm</sup>.

From the Scientific American supplement, no. 138, August 24, 1878.

**Glover, Townend.** The hang-worm. (U. S. Patent office. Report of the Commissioner of patents for the year 1859. Agriculture. Washington, 1860. p. 551–554. illus.)

**Rathvon, Simon Snyder.** “The drop worm” *Thyridopteryx ephemeraformis*. Lancaster, Pa., 1875.

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From the Lancaster farmer, vol. VII, no. 8.

**Riley, Charles Valentine.** Remarks on the bag-worm (*Thyridopteryx ephemeraformis*) . . . Washington, 1884.

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From the Proceedings of the Biological society of Washington, vol. II, 1882–84. Extras printed, April 10, 1884.

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**Packard, Alpheus Spring.** The life history of certain moths of the family Cochliopodidæ, with notes on their spines and tubercles . . . [Philadelphia] 1893.

83–108 p. iv pl. 23½<sup>cm</sup>.

Reprinted April 19, 1893, from the Proceedings of the American philosophical society, vol. XXXI.

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**Druce, Herbert.** . . . Descriptions of eight new species of Chalcosiidæ . . . [London] 1891.

[140]–144 p. 22<sup>cm</sup>.

From the Annals and magazine of natural history for January, 1891.

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**Jones, Edward Dukinfield.** . . . Experiments with a venomous caterpillar . . . [London and Liverpool] 1878.

3 p. 1 col. pl. 21½<sup>cm</sup>.

Extract from the Proceedings of the Literary and philosophical society of Liverpool, v. 32, p. 102–105.

**Packard, Alpheus Spring.** . . . On the larva of *Lagoa*, a bombycine caterpillar with seven pairs of abnormal legs; with notes on its metameric glandular abdominal processes . . . [Leipzig] 1892.

6 p. illus. 23<sup>cm</sup>.

Separat-abdruck aus dem “Zoologischen anzeiger,” no. 394, 1892)

**Packard, Alpheus Spring.** A study of the transformations and anatomy of *Lagoa crispata*, a bombycine moth . . . Philadelphia, 1894.

[275]–292 p. vii pl. 23½<sup>cm</sup>.

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**Packard, Alpheus Spring.** . . . Unusual number of legs in the caterpillar of *Lagoa*. [Boston] 1885.

714–715 p. illus. 24<sup>cm</sup>.

American naturalist, extra, July, 1885.

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**Bailey, James S.** The natural history of *Cossus centerensis* . . . [n. p., 1878]

4 p. 1 pl. 24<sup>cm</sup>.

**Boas, Johan Erik Vesti.** *Cossus ligniperda* i eg. [Kjøbenhavn, 1890]

[.00]–106 p. fold. pl. 21<sup>cm</sup>.

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**Great Britain—Board of agriculture.** . . . The wood leopard moth (*Zeuzera æsculi*) [London, 1899]

4 p. illus. 21½cm. (*Its Leaflet* no. 60)

**Schøyen, Wilhelm Maribo.** En Cossus-larves forekomst i maven hos et menneske . . . Kristiania, 1896.

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Sep.-aftr. af N. mag. f. lægev., no. 6, 1896.

**Schøyen, Wilhelm Maribo.** En træødelægger . . . [Kristiania? 1893]

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**Stebbing, E. P.** . . . On the life-history of *Arbela tetraonis*, Moore, a destructive insect pest in casuarina plantations in Madras . . . [Calcutta, 1903]

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From the *Journal, Asiatic society of Bengal*, vol. LXXII, pt. II, no. 4, 1903.

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**Beutenmüller, William.** Critical review of the Sesiidæ found in America, north of Mexico . . . New York, 1896.

111-148 p. 25cm.

Author's edition, extracted from *Bulletin of the American museum of natural history*, vol. VIII, article VII, p. 111-148.

**Beutenmüller, William.** . . . Notes on North American Sesiidæ, with descriptions of new species. Food-habits of North American Sesiidæ . . . New York, 1897.

213-220 p. 25cm.

Author's edition, extracted from *Bulletin of the American museum of natural history*, vol. IX, articles XV and XVI, p. 213-220.

**Beutenmüller, William.** Studies of some species of North American *Ægeriidæ* . . . New York, 1894.

87-98 p. 24½cm.

Author's edition, extracted from *Bulletin of the American museum of natural history*, vol. VI, article II, p. 87-98.

**Beutenmüller, William.** Synopsis of the species of *Melittia* of America, north of Mexico, with description of a new species . . . New York, 1899.

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Author's edition, extracted from *Bulletin of the American museum of natural history*, vol. XII, article VIII, p. 149-151.

**Bos, Jan Ritzema.** . . . De glasvleugelige vlinðers (*Sesia*). [Gent, 1897]

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Overgedrukt uit het "Tijdschrift over plantenziekten," 2. afl., 1897.

**Brandt, Eduard Karlovich.** . . . On the anatomy of *Sesia tipuliformis* and *Trochilium apiforme*, Linn. . . . [London, 1890]

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From the *Annals and magazine of natural history* for August, 1890.

Translated by W. F. Kirby from article published in "Horæ Societatis entomologicæ rossicæ," vol. XXXII, p. 41-49.

**Butler, Arthur Gardiner.** . . . Notes on the *Ægeriidæ*, with descriptions of new genera and species . . . [London] 1874.

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**Chittenden, Frank Hurlbut.** Squash-vine borer (*Melittia satyriniformis* Hbn.). Washington, 1899.

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8 p. illus. 23cm. (U. S. Agriculture, Dept. of—Entomology, Division of. Circular, ser. 2, no. 36)

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v. 1-13. col. plates. 23<sup>cm</sup>.

In English, French, German, and Latin.

vol. III-V, VII-XIII by H. T. Stainton, assisted by Professor Zeller, J. W. Douglas, and Professor Frey.

CONTENTS.—Vol. I. Nepticula. Pt. I. Cemiostoma. Pt. I. 1855.—Vol. II. Lithocolletis. Pt. I. 1857.—Vol. III. Elachista. Pt. I. Tischeria. Pt. I. 1858.—Vol. IV. Coleophora. Pt. I. 1859.—Vol. V. Coleophora. Pt. II. 1860.—Vol. VI. Depressaria. Pt. I. 1861.—Vol. VII. Bucculatrix. Pt. I, and Nepticula. Pt. II. 1862.—Vol. VIII. Gracilaria. Pt. I, and Ornix. Pt. I. 1864.—Vol. IX. Gelechia. Pt. I. 1865.—Vol. X. Gelechia. Pt. II. 1867.—Vol. XI. Prays, Swammerdamia, Zelleria, Laverna, Glyphipteryx, Heliozela and Antispila. 1870.—Vol. XII. Cosmopteryx, Stathmopoda, Chauliodes, Asychna and Ochromolopis, and . . . the history of twelve species of the genus Depressaria. 1870.—Vol. XIII. Ochsenheimeria, Phylloporia, Myrmecozela, Incurvaria, Micropteryx, Adela, Nemotois, Psecadia, Phibalocera, Enicostoma, Exæretia, and Ypsolophus. 1873.

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**Thomas, Friedrich August Wilhelm.** . . . Ueber die bildung des sackes der rosenschabe . . . [n. p., 1893]

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**Townsend, Charles Henry Tyler.** . . . A mesquite tineid which constructs a bag-like case from the leaves. [San Francisco, 1893]

226-228 p. 24<sup>cm</sup>.

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36-37 p. 24<sup>cm</sup>.

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**Walsingham, Thomas De Grey, 6th lord.** New genera of Agdistidæ and Pterophoridæ. London, 1892.

7 p. col. pl. 27<sup>cm</sup>.

Reprinted from the "Entomologist's monthly magazine," vol. XXVII, p. 216-218 (August), 241-244 (September), 259-262 (October), 1891; and illustrated by plate XII of the first volume of "Novitates lepidopterologicae."

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From Indian museum notes, vol. II, p. 49-50.



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iv, 30 p. 24½cm.

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**Olliff, Arthur Sidney.** . . . Notes on Zelotypia Stacyi, and an account of a variety . . . [Sydney] 1887.

[467]-470 p. 22½cm.

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[1015]-1016 p. 1 col. pl. 21½cm.

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**Amyot, Charles Jean Baptiste.** Histoire naturelle des insectes. Hémiptères. Par C.-J.-B. Amyot . . . et Audinet Serville . . . Ouvrage accompagné de planches. Paris, Roret, 1843.

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**Berg, Carlos.** Notas hemipterológicas . . . [Buenos Aires, 1899]

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[139]-148 p. 25½cm.

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8 nos. in 9 pts. 22cm.

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**Fabricius, Johann Christian.** . . . Systema rhyngotorum secundum ordines, genera, species adiectis synonymis, locis, observationibus, descriptionibus. Brunsvigae, apud C. Reichard, 1803.

[iii]-x, 314, [1] p. 20½cm.

**Fieber, Franz Xaver.** Entomologische monographien . . . Sieben abhandlungen. Prag, J. G. Calve'schen buchhandlung, 1844. Agr 5—151

2 p. l., [137], [1] p. x pl. 28<sup>cm</sup>.

Paging irregular. p. 137 erroneously numbered 118.

Aus den Abhandlungen der K. Böhm. gesellschaft der wissenschaften (v. folge, bd. 3)

Slip pasted over imprint reads: Leipzig, 1844, Verlag von J. A. Barth.

**Fieber, Franz Xaver.** Rhynchotographien. Von Franz Xav. Fieber . . . Drei monographische abhandlungen. Vorträge gehalten am 21. jänner 1846 und am 8. april 1847 in den Sections-versammlungen der Königl. Böhm. Gesellschaft der wissenschaften . . . Prag, Druck der Kais. Königl. Hofbuchdruckerei von G. Haase söhne, 1851.

64 p. 27½<sup>cm</sup>.

"Literatur": p. [5]—6.

**Forbes, Stephen Alfred.** . . . Bacteria normal to digestive organs of Hemiptera . . . [Springfield, Ill., 1892]

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From Bulletin of the Illinois State laboratory of natural history. vol. iv.

**Kirkaldy, George Willis.** . . . Aquatic Rhynchota . . . [Torino, 1899]

2 p. 25<sup>cm</sup>.

At head of title: Viaggio del Dott. A. Borelli nel Chaco boliviano e nella Republica Argentina. XVI.

From Bollettino dei Musei di zoologia ed anatomie comparata della R. Università di Torino, vol. XIV, n. 352.

**Kirkaldy, George Willis.** . . . Aquatic Rhynchota. [Torino, 1899]

4 p. illus. 25<sup>cm</sup>.

At head of title: Viaggio del Dr. A. Borelli nella Repubblica Argentina e nel Paraguay, XXIV.

From Bollettino dei Musei di zoologia ed anatomia comparata della R. Università di Torino, vol. XIV, n. 351.

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8 p. illus. 25<sup>cm</sup>.

At head of title: Viaggio del Dr. Enrico Festa nell' Ecuador e regioni vicine, XIX.

From Bollettino dei Musei di zoologia ed anatomia comparata della R. Università di Torino. vol. XIV. n. 350.

**Kirkaldy, George Willis.** . . . Aquatic Rhynchota collected by Dr. E. Festa in Darien & Venezuela. [Torino, 1899]

[1] p. 25<sup>cm</sup>.

From Bollettino dei Musei di zoologia ed anatomia comparata della R. Università di Torino. vol. XIV. n. 348.

**Kirkaldy, George Willis.** Note sopra alcuni rincoti acquatici africani del Museo civico di storia naturale di Genova . . . [Genova, 1898]

2 p. 25<sup>cm</sup>.

Estratto dagli Annali del Museo civico di storia naturale di Genova. ser. 2, vol. XIX (XXXIX) 15 luglio 1898.

**Kirkaldy, George Willis.** . . . On some aquatic Rhynchota from South America in the collections of the Museum of zoology and comparative anatomy of the Royal university of Turin. [Torino, 1899]

2 p. 25<sup>cm</sup>.

From Bollettino dei Musei di zoologia ed anatomia comparata della R. Università di Torino. vol. XIV. n. 347.

**Lethierry, Lucien.** . . . Catalogue général des hémiptères, par L. Lethierry . . . et G. Severin . . . Bruxelles, F. Hayez, imprimeur de l'Académie royale de Belgique, 1893—96.

3 v. 24½<sup>cm</sup>.

At head of title: Musée royale d'histoire naturelle de Belgique.

Imprint of v. 3: Berlin, R. Friedländer & fils, libraires-éditeurs, 1896.

CONTENTS.—t. I. Hétéroptères; Pentatomidæ.—t. II. Hétéroptères; Coreidæ, Berytidæ, Lygæidæ, Pyrrhocoridæ.—t. III. Hétéroptères; Tingidæ, Phymatidæ, Aradidæ, Hebridæ, Hydrometridæ, Henicocephalidæ, Reduviidæ, Saldidæ, Apophildæ, Ceratocombidæ, Cimicidæ, Anthocoridæ.

**Locy, William Albert.** Observations on the pulsating organs in the legs of certain Hemiptera . . . [Philadelphia, 1884]

13-19 p. illus., pl. 23<sup>cm</sup>.

From American naturalist. vol. 18.

**Löw, Franz.** Beiträge zur kenntniss der rhynchoten . . . [Wien, 1862]

8 p. 1 pl. 22½<sup>cm</sup>.

Aus den Verhandlungen der K. K. Zoologisch-botanischen gesellschaft in Wien <jahrgang 1862> besonders abgedruckt.

**Osborn, Herbert.** . . . Notes on the distribution of Hemiptera . . . [Des Moines?, 1893]

120-123 p. 23<sup>cm</sup>.

From Proceedings Iowa academy of sciences for 1893, vol. I, pt. IV.

**Smith, John Bernhard.** . . . The structure of the hemipterous mouth. [New York] 1892.

[2] p. illus. 22<sup>cm</sup>.

From Science. Apr. 1, 1902, vol. XIX, no. 478.

**Spinola, Massimiliano.** Essai sur les insectes hémiptères, rhyngotes, ou hétéroptères, par Maximilien Spinola. Paris, J.-B. Baillière; [etc., etc.] 1840.

383 p. 5 fold. tab. 21½<sup>cm</sup>.

"Liste des ouvrages cités ou simplement consultés dans le courant de cet essai: p. [5-6]

**Spinola, Massimiliano.** Tavola sinottica dei generi spettanti alla classe degli insetti Artroidignati, Flemiptera, Linn. Latr.—Rhyngota, Fab.—Rhynchota, Burm. Memoria del socio attuale Signor marchese Massimiliano Spinola . . . Modena, Dai tipi della R. D. Camera, 1850.

138 p. 30½<sup>cm</sup>.

Inserita nella pte 1<sup>a</sup> del tomo xxv, delle Memorie della Società italiana delle scienze residente in Modena.

**Stål, Carl.** . . . Hemiptera Fabriciana. Fabricianska hemipterarter, efter de i Köpenhamn och Kiel förvarade typexemplaren granskade och beskrifne of C. Stål. Till K. Vet.-akad. inlemnad den 9 September 1868. . . . Stockholm, P. A. Norstedt & söner, 1868-69.

2 pts. in 1 v. 31<sup>cm</sup>. (Kongl. Svenska vetenskaps-akademiens Handlingar. Bandet 7. N:o 11; Bandet 8. N:o 1)

**Stoll, Caspar.** Natuurlyke en naar't leeven naauwkeurig gekleurde afbeeldingen en beschryvingen der cicaden en wantzen, in alle vier waerelds deelen, Europa, Asia, Africa en America, huishoudende, by een verzameld en beschreeven door Caspar Stoll'. Représentation exactement colorée d'après nature des cigales et des punaises, qui se trouvent dans les quatre parties du monde, l'Europe, l'Asie, l'Afrique et l'Amérique; rassemblées et décrites par Caspar Stoll'. Amsterdam, J. C. Sepp, 1780-88.

2 v. in 1. 70 col. pl. 29½<sup>cm</sup>.

Each vol. has added engr. t. -p. in colors.

Dutch and French in parallel columns.

CONTENTS.—[pt. 1] Cicaden.—[pt. 2] Wantzen.

**Westwood, John Obadiah.** A catalogue of Hemiptera, in the collection of the Rev. F. W. Hope . . . with short Latin descriptions of the new species, by J. O. Westwood. . . . London, Printed by J. C. Bridgewater, 1842.

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**White, Francis Buchanan White.** . . . Report on the pelagic Hemiptera procured during the voyage of H. M. S. Challenger in the years 1873-1876. By F. Buchanan White. . . . [London, Printed for H. M. Stationery off., 1883]

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2 p. 1., 82, [6] p. III pl. (2 col.). 31½<sup>cm</sup>. ([Report on the scientific results of the voyage of H. M. S. Challenger during the years 1873-76 . . . Zoology—vol. VI, pt. XIX])

**Zabriskie, J. L.** A curious unknown, aquatic, hemipterous larva. . . . [New York, 1891]

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From Journal of the New York microscopical society. Vol. VII, no. 4. October, 1891.



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**Osborn, Herbert.** Additions to the lists of Hemiptera of Iowa, with descriptions of new species . . . [Des Moines, 1898]

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From Contributions from the Department of zoology and entomology, Iowa state college of agriculture and mechanic arts, no. 3.

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**Osborn, Herbert.** Contributions to the hemipterous fauna of Iowa by Herbert Osborn and E. D. Ball. [Des Moines, 1897]

[172]-234 p. xix-xxvi pl. 22½<sup>cm</sup>.

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**Uhler, Philip Reese.** Hemiptera of the North Pacific exploring expedition under Com'r's Rodgers and Ringgold . . . [Philadelphia, 1860]

221-231 p. 24½<sup>cm</sup>.

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[269]-361 p., 1 l. 19-21 pl. 23<sup>cm</sup>.

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**Uhler, Philip Reese . . .** On the Hemiptera collected by Dr. Elliott Coues, U. S. A., in Dakota and Montana, during 1873-74 . . . [Washington, 1878]

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[168]-240 p. 23<sup>cm</sup>.

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1 p. l., 333-345 p. col. pl. 23<sup>cm</sup>.

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From Anales del Museo nacional de Buenos Aires, tomo v, p. 131 á 137.

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1 p. l., [195]-206 p. 27½<sup>cm</sup>.

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**Breddie, Gustav.** Die hemipteren von Celebes; ein beitrag zur faunistik der insel, von Gustav Breddie . . . Stuttgart, E. Schweizerbart'sche verlagshandlung (E. Naeglele) 1901.

Agr 4—3397

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2 pts. 18<sup>cm</sup>.

Agr 2—329

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**Dominique, J.** Catalogue des hémiptères (hétéroptères, homoptères, psyllides) de la Loire-Inférieure . . . [Nantes, 1902]

[165]-230 p., 1 l. 25½<sup>cm</sup>.

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**Faune entomologique armoricaine. Hémiptères.** v. 1, 1.-3. familles. Rennes, Impr. F. Simon, 1904.

3 pts. in 1. 25½<sup>cm</sup>.

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**Fieber, Franz Xaver.** Die europäischen Hemiptera. Halbflügler. (Rhynchota Heteroptera) Nach der analytischen methode bearbeitet, von Dr. Franz Xaver Fieber . . . Mit zwei lithographirten tafeln. Wien, C. Gerold's sohn, 1861.

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**Horváth, Géza von.** . . . Descriptions of new Hemiptera from New South Wales . . . [Budapest] 1902.

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Ex Actis Regiæ bohemicæ societatis scientiarum, vol. VII.

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Vol. I by W. L. Distant and W. W. Fowler; vol. II by W. W. Fowler; vol. II, pt. 2 by T. D. A. Cockerell.

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Cover-titles: *Biologia centrali-americana*; or, Contributions to the knowledge of the fauna and flora of Mexico and Central America. Ed. by F. Ducane Godman and Osbert Salvin.

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[113]-115 p. 22<sup>cm</sup>.

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**Blankenhorn, Adolph.** Die wurzellaus des weinstockes, *Phylloxera vastatrix*. Zur orientirung der deutschen weinbergbesitzer und freunde des weinbaues. Bearb. von Dr. A. Blankenhorn . . . und Dr. J. Moritz . . . Heidelberg, 1875.

viii, 16 p., 1 l. iv pl. (1 col. fold.) incl. 2 maps. 23½cm.

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**Blunno, M.** *Phylloxera-resistant vine stocks* . . . [Sydney, 1902]

765-771 p. pl. 25cm.

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**Boiteau, P.** Le phylloxéra ailé et sa descendance; traitement, par M. P. Boiteau . . . Libourne, G. Maleville, 1876.

Agr 4-3485

x, 62 p. illus. 23cm.

**Bolle, Giovanni.** . . . L'infezione fillosserica in Istria nel 1884 . . . [Gorizia, Tip. Paternolli, 1886]

24 p. 24cm.

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**Bolle, Giovanni.** I rimedi contro la fillossera . . . Gorizia, 1882.

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8 p. 28½ × 23cm.

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**Bourbon, C.** Destruction du phylloxéra insectes & cryptogames par le pyrophore insecticide de C. Bourbon. Perpignan, Impr. de C. Latrobe, 1879.

19 p. fold. pl. 23cm.

**Bouschet, H.** Moyens de transformer promptement par les vignes américaines les vignobles menacés par le phylloxéra, par M. H<sup>i</sup> Bouschet . . . Montpellier, C. Coulet; [etc., etc.] 1874.

11 p. 22½cm.

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**Boyer, Félix.** De la fumure chimique des vignes à propos du phylloxéra . . . Nîmes, 1871.

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**Brunfaut, Jules.** La vigne et le phylloxéra, par Jules Brunfaut . . . Paris, A. Lefèvre, 1875.

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2 p. l., 75 p. 18½cm.

**Cabello é Ibañez, Luis.** La vérité sur le *Phylloxera vastatrix*, par Luis Cabello é Ibañez . . . Barcelone, Typographie de "l'Académie" d'E. Ullastres, 1879.

4 p. l., 49 p. 24½cm.

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**Cantin, Gustave.** . . . Le phylloxéra; sa destruction par le lysol. Paris, Librairie agricole de la maison rustique [1900]

22 p., 1 l. 26½cm.

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1 p. l., 32 p. fold. plan. 24½cm.

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**Cape of Good Hope**—*Phylloxera commission.* . . . Preliminary report of the Phylloxera commission, 1893. Quarantine and import regulations. With minutes of proceedings, minutes of evidence, and appendix . . . Cape Town, W. A. Richards & sons, government printers, 1893.

44 p. 33cm.

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**Cauvy, B.** Note sur le phylloxéra, adressé . . . le 31 août dernier, à Messieurs les membres de la Société centrale d'agriculture de l'Hérault, et le 8 septembre, à M. Dumas, secrétaire perpétuel de l'Académie des sciences de Paris . . . Montpellier, 1874.

24, 5 p. 22½cm.

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**Cauvy, B.** Le salut des vignes, véritable point de vue sous lequel il convient de considérer la maladie actuelle de la vigne causée par le phylloxéra pour la combattre efficacement et instructions relatives, soit aux moyens propres à garantir les vignes saines des atteintes de cet insecte, soit à la marche à suivre pour le renouvellement des vignes déjà ravagées, par B. Cauvy . . . Montpellier, Imprimerie centrale du midi, 1874.

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**Conférence phylloxérique internationale, Berne, 1878.** Actes de la Conférence phylloxérique internationale, réunie à Berne du 9 au 17 septembre 1878. Berne, Impr. Stämpfli, 1878.

68 p. 35½cm.

**Congrès interdépartemental, Bordeaux, 1875.** . . . Compte-rendu du Congrès interdépartemental tenu à Bordeaux les 1<sup>er</sup>, 2, 3, et 4 décembre 1875, sous les auspices du conseil général de la Gironde . . . Bordeaux, Féret et fils, 1876.

cover-title, 1 p. l., [27]-106 p. pl., fold. map. 25cm. (Association française pour l'avancement des sciences. Groupe régional girondin. Bulletin du phylloxéra dans la Gironde. no. 2.

**Congrès international phylloxérique, Bordeaux, 1881.** . . . Programme et règlement. Bordeaux, Impr. nouvelle A. Bellier & c<sup>ie</sup>, 1881.

cover-title, 1 p. l., 12 p. 27x21cm.

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x p., 1 l., 122 p., 1 l. 33cm.

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vii, 401 p. 23½cm.

Agr 3-150

At head of title: Ministero di agricoltura, industria e commercio. Direzione generale dell'agricoltura. Annali di agricoltura, 1885. [no. 95]



**Cook, Albert John.** Grape phylloxera. An address delivered . . . at the meeting of the society held at Monroe in June 1875. [Lansing, Mich., 1875]

[341]–350 p. illus. 24½<sup>cm</sup>.

From the Fourth annual report of the State pomological society of Michigan, 1874.

**Cook, Albert John.** The grape-vine phylloxera. [Columbus, 1878]

39–46 p. illus. 24<sup>cm</sup>.

From the Eleventh annual report of the Ohio state horticultural society . . . 1877–8.

Also in Thirty-second annual report of the Ohio state board of agriculture . . . 1877. Appendix, p. 155–162.

**Cornu, Maxime.** . . . Études sur la nouvelle maladie de la vigne, par M. Maxime Cornu . . . [Paris, Imprimerie nationale, 1876]

46 p. III col. pl. 28x22½<sup>cm</sup>.

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Mémoires présentés par divers savants à l'Académie des sciences de l'Institut national de France. Tome XXII.—no. 6.

**Cornu, Maxime.** Expériences faites à la Station viticole de Cognac dans le but de trouver un procédé efficace pour combattre le phylloxéra, par MM. Max. Cornu et Mouillefert . . . Paris, Imprimerie nationale, 1876.

cover-title, 240 p. 28x22½<sup>cm</sup>.

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**Coste, L.** Le phylloxéra au congrès de Montpellier, par le Dr. L. Coste. Salins, Billet, 1875.

32 p. 21<sup>cm</sup>.

**Coste, L.** . . . Rapport sur l'état actuel de la maladie de la vigne, par le Dr. L. Coste . . . Poligny, Impr. de G. Mareschal, 1876.

31 p. 22½<sup>cm</sup>.

At head of title: Commission du phylloxéra de l'arrondissement de Poligny.

**Coste, U.** Phytotomie pathologique; étude anatomique de la lésion produite par le phylloxéra sur les racines de la vigne; détermination du degré de résistance au phylloxéra des divers cépages . . . par le Dr. U. Coste . . . Montpellier, Imprimerie centrale du midi, 1877.

48 p. illus. 22½<sup>cm</sup>.

**Covelle, Ernest.** Le phylloxéra dans le canton de Genève en 1880, 1883, 1886; rapport à la Commission cantonale, par Ernest Covelle . . . Genève, 1881–87.

3 nos. 22–23<sup>cm</sup>.

**Crolas.** . . . Manuel pratique des sulfurages. Guide du vigneron pour l'emploi du sulfure de carbone contre le phylloxera, par le Dr. Crolas . . . [et] V. Vermorel . . . 16. ed., rev. et augm. Villefranche (Rhône) Aux bureaux du Progrès agricole et viticole; Paris, Michelet; [etc., etc.] 1893.

Agr 4—3413

110 p. incl. illus., diags. 21<sup>cm</sup>. (Bibliothèque du Progrès agricole et viticole)

**Crolas.** Phylloxéra et sulfure de carbone; enquête sur les vignes sulfurées dès le commencement de l'invasion phylloxérique, par le docteur Crolas . . . Lyon, Georg; [etc., etc.] 1888.

2 p. l., 92 p. 20½<sup>cm</sup>.

**Crozier, F. P.** Phylloxéra et sulfure du carbone; traité pratique et raisonné de la défense des vignes, par F.-P. Crozier . . . Paris, Librairie agricole de la maison rustique, 1884.

xi, 230 p. illus. 17<sup>cm</sup>.

**Cuboni, Giuseppe.** . . . Il problema fillosserico in Italia; prolusione al corso di patologia vegetale nella R. Università di Roma (xi gennaio MDCCCXCIX) Roma, Tipografia della Camera dei deputati, 1899.

14 p. 26<sup>cm</sup>.

At head of title: Società degli agricoltori italiani, Roma. Prof. G. Cuboni.

**Dahlen, H. W.** . . . Bericht über die gegen ende juli 1878 im auftrag des präsidiums des Deutschen weinbauvereins unternommene reise nach den phylloxerainfektionsheerden des cantons Neuchâtel . . . Heidelberg [1879]

4 p. 23<sup>cm</sup>.

Separat-abdruck aus den Annalen der oenologie. VIII. bd. 1/2 hft.

**Dahlen, H. W.** . . . Ueber das auftreten der Phylloxera vastatrix in Bollweiler (Oberelsass) und sich daran knüpfende mittheilungen bezüglich der behandlung inficirter stöcke zur erhaltung des sortimentes . . . Heidelberg [1877]

14 p. 22½<sup>cm</sup>.

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**David, Georg.** Die wurzellaus des weinstockes (Phylloxera vastatrix) in allen ihren beziehungen gemeinverständlich dargestellt, von Dr. Georg David . . . Wiesbaden, Hof-buchhandlung von E. Rodrian, 1875.

Agr 4—3522

iv, 70 p. front. (fold. map) 4 pl. 18½<sup>cm</sup>.

**Despeissis, A.** Phylloxera of the vine . . . [Sydney, 1895]

13-29 p. illus., col. pl. 24½<sup>cm</sup>.

From the Agricultural gazette of New South Wales, vol. VI, 1895.

**Dillmann, C.** Die reblaus. (Phylloxera vastatrix) Von C. Dillmann . . . Reutlingen, E. Fehleisen, 1875.

55 p. illus. 17½<sup>cm</sup>.

**Donnadieu, A. L.** Sur la ponte du phylloxéra pendant la saison d'hiver . . . [Paris, 1887]

3 p. 27<sup>cm</sup>.

From Comptes rendus . . . de l'Académie des sciences, tome 104, p. 483-485.

**Donnadieu, A. L.** Sur quelques points controversés de l'histoire du phylloxéra . . . [Paris, 1887]

4 p. 26<sup>cm</sup>.

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**Donnadieu, A. L.** Les véritables origines de la question phylloxérique, par A. L. Donnadieu . . . Paris, J.-B. Baillière et fils, 1887.

16 p. 24½<sup>cm</sup>.

**Dreyfus, Ludwig Theodor.** Ueber phylloxerinen. Von Dr. Ludwig Dreyfus . . . Wiesbaden, J. F. Bergmann, 1889.

3 p. l., 88 p. 24<sup>cm</sup>.

**Duclaux, Pierre Émile.** Études sur la nouvelle maladie de la vigne dans le sud-est de la France, par M. Duclaux . . . Paris, Imprimerie nationale, 1874.

cover-title, III, 54 p. 9 maps. 28 × 22½<sup>cm</sup>.

"Annexe. Juillet 1874:" p. [53]-54, map.

Extrait des Mémoires présentés par divers savants à l'Académie des sciences [de l'Institut national de France. Tome XXII.—No. 5]

——— Annexe. Juillet 1875. [Paris, Imprimerie nationale, 1875]

2 p. map. 28 × 23<sup>cm</sup>.

——— Annexe. Septembre 1876. [Paris, Imprimerie nationale, 1876]

3 p. 2 fold. maps. 28 × 22<sup>cm</sup>.

From Mémoires présentés par divers savants à l'Académie des sciences de l'Institut national de France. Tome XXV. No. 7.

**Duclaux, Pierre Émile.** Rapport sur les études relatives au phylloxéra, présentées à l'Académie, par MM. Duclaux, Max. Cornu et L. Faucon . . . Paris, 1873.

13 p. 28 × 23<sup>cm</sup>.

Extrait du tome LXXVI des Comptes rendus . . . de l'Académie des sciences.

**Dumas, Jean Baptiste André.** . . . Communication relative à la destruction du phylloxéra . . . [Paris, 1874]

3 p. 28 × 22½<sup>cm</sup>.

Extrait des Comptes rendus . . . de l'Académie des sciences . . . (Séance du 12 octobre, 1874)

**Dumas, Jean Baptiste André.** Études sur le phylloxéra et sur les sulfocarbonates . . . [Paris, 1876]

[5]-112 p. illus., fold. pl. 22½cm. ([Annales de chimie et de physique . . . 5. sér. tome VII. 1. ptie])

**Duponchel, Adolphe.** Le phylloxéra; guérison probable de la vigne par un traitement préventif physiologique et naturel, par A. Duponchel . . . Montpellier, C. Coulet, 1873.

30 p. 22cm.

**Espinouse, A.** Du phylloxéra; son traitement dans le midi, par le docteur A. Espinouse . . . Bordeaux, Féret et fils, 1874.

31 p. 21½cm.

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**Espitalier, Silvain.** Encore un moyen de salut pour les vignes phylloxérées; ensablement avec addition d'engrais; instructions pratiques pour l'emploi de ce procédé, par Silvain Espitalier . . . Montpellier, C. Coulet; [etc., etc.] 1874.

30 p. 22½cm.

**Fabre, A.** Comment on peut guérir les vignes malades et préserver celles qui ne sont pas encore attaquées, par M. A. Fabre . . . Montpellier, C. Coulet, 1876.

84 p. 22cm.

Agr 4—3531

**Fatio, Victor.** État de la question phylloxérique en Europe en 1877; rapport sur le Congrès phylloxérique international réuni à Lausanne du 6 au 18 août 1877, par le Dr. Victor Fatio . . . Genève, Impr. Ramboz et Schuchardt, 1878.

123 p. VII maps (4 double) 25 cm.

**Fatio, Victor.** Rapports sur le traitement des vignes de Pregny (république et canton de Genève) en vue de la destruction du phylloxéra, adressés à Monsieur le conseiller d'état, chargé du Département de l'intérieur du canton de Genève, par MM. V. Fatio et Demole-Ador . . . Genève, Impr. Ramboz et Schuchardt, 1875.

47, [1] p. col. pl., fold. plan. 23cm.

cover-title; Le phylloxéra dans le canton de Genève de mai à août 1875; rapports au Département de l'intérieur; observations faites à Pregny durant l'été 1875; traitement des vignes de Pregny en vue de la destruction du phylloxéra . . .

**Faucon, Louis.** . . . Note sur la possibilité d'appliquer la submersion de la vigne sur une vaste échelle pour combattre le phylloxéra. [Avignon, 1873]

7 p. 22cm.

Extrait du *Messenger du midi* du 31 janvier 1873.

**Faucon, Louis.** Notes sur la maladie des vignes dite du phylloxéra dans le territoire de la commune de Gravésan . . . Montpellier, 1871.

19 p. 23½cm.

Extrait du *Messenger agricole*.

**Faucon, Louis.** Notes sur la maladie des vignes dite du phylloxéra . . . Avignon, A. Chaillot, 1872.

105-144 p. 25cm.

**Faucon, Louis.** Le phylloxéra; submersion des vignes. [Montpellier, 1873]

6 p. 24cm.

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**Faucon, Louis.** . . . Le *Phylloxera vastatrix*; ce qu'il devient pendant l'hiver . . . Montpellier, 1873.

13 p. 24cm.

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**Faucon, Louis.** . . . Renseignements sur le phylloxéra. [Avignon, 1873]

3 p. 22cm.

Extrait du *Bulletin* de la Société d'agriculture & d'horticulture de Vaucluse, n° de février 1873.

**Faucon, Louis.** Submersion des vignes . . . [Montpellier, 1873]

8 p. 23½cm.

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[**Faucon, Louis**] Submersion des vignes atteintes du phylloxéra. [Avignon, Imp. Chaillot, 1873]  
8 p. 21½cm.  
Caption title.

**Faucon, Louis.** Suite des Notes sur la nouvelle maladie de la vigne dans le territoire de la commune de Gravéson (Bouches-du-Rhône) . . . Avignon, 1870.

[69]—104 p. 25cm.

Extrait des journaux: Courrier du Gard, Messenger du midi, Journal d'agriculture pratique, L'Indicateur de Carpentras.

**Fischer, Ernst.** Das naphtalin in der heilkunde und in der landwirthschaft. Mit besonderer rücksicht auf seine verwendung zur vertilgung der reblaus, von Dr. med. Ernst Fischer . . . Strassburg, K. J. Trübner, 1883.

98 p. 24½cm.

**France—Département de l'Hérault—Commission départementale pour l'étude de la maladie de la vigne.** . . . Expériences faites dans la vigne sud du mas de Las Sorres, en 1873 et en 1874. Tableau se rapportant au traitement de 25 ceps par essai. Montpellier et Cette, Typographie et lithographie Boehm & fils [1874?]

cover-title, [4] p. plan. 26½ × 36cm.

**France—Département de l'Hérault—Commission départementale pour l'étude de la maladie de la vigne.** Phylloxéra. Commission départementale de l'Hérault pour l'étude de la maladie de la vigne. Expériences faites à Las Sorres, près Montpellier; résultats pratiques de l'application des divers procédés présentés aux concours des prix de 20,000 et de 300,000 francs proposés par le gouvernement pour la conservation des vignes phylloxérées et leur reconstitution. Montpellier, Typographie de P. Grollier, 1877.

xxiv p., 1 l., 443 p. incl. tables. col. pl., vii fold. plans. 17½cm.

**France—Département de l'Hérault—Commission départementale pour l'étude de la maladie de la vigne.** . . . Le phylloxéra; submersion des vignes; visite de la Commission départementale de l'Hérault au domaine de M. Faucon, à Gravéson . . . Paris, G. Masson [1874?]

50 p., 1 l. 28cm.

**France—Département de l'Hérault—Commission départementale pour l'étude de la maladie de la vigne.** . . . Rapport de la Commission départementale de l'Hérault, instituée pour étudier la nouvelle maladie de la vigne connu sous le nom de pourri des racines, par Edmond Duffour . . . Montpellier, Typographie de P. Grollier, 1869.

24 p. 23cm.

**France—Département de l'Hérault—Commission départementale pour l'étude de la maladie de la vigne.** . . . Rapport sur les procédés de guérison appliqués au mas de Las Sorres, près Montpellier. Montpellier, Typographie de P. Grollier, 1874.

18 p. 22½cm.

At head of title: Commission départementale de l'Hérault, instituée pour l'étude de la maladie de la vigne caractérisée par le phylloxéra.

**France—Département de l'Hérault—Commission départementale pour l'étude de la maladie de la vigne.** . . . Résultats des divers procédés de guérison proposés à la commission pour combattre la nouvelle maladie de la vigne, qui ont été appliqués dans le domaine de Las-Sorres, près Montpellier, du 6 juillet 1872 au 29 août 1873. Montpellier, Typographie de P. Grollier, 1873.

69 p. 22½cm.

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**France—Département de la Dordogne—Commission centrale du phylloxéra.** . . . Rapport présenté au Conseil général de la Dordogne par M. le Dr H. Jaubert, président de la commission. (Août 1878.) Périgueux, Impr. J. Bounet, 1878.

1 p. l., 18 p. 27 x 21½<sup>cm</sup>.

At head of title: Département de la Dordogne. Commission centrale du phylloxéra.

"Index bibliographique": p. 16-18.

**France—Département de la Gironde—Commission départementale pour l'étude du phylloxéra.** Enquête publiée par la Commission départementale de la Gironde instituée par M. le préfet le 10 août 1872 pour l'étude du phylloxéra. Bordeaux, Typographie L. Coderc, 1874.

24 p. 27 x 21½<sup>cm</sup>.

**France—Ministère de l'agriculture et du commerce—Commission supérieure du phylloxéra.** Le phylloxéra. [Clichy, Impr. P. Dupont, 1877?]

90 p. 24½<sup>cm</sup>.

Caption title.

**Franceschini, Felice.** Alcune osservazioni intorno agli studi sulla fillossera della vite . . . Firenze, 1893.

10 p. 22½<sup>cm</sup>.

Estratto dagli Atti della R. Accademia dei georgofili, anno 1893, vol. xvi, dispensa 1.

— — Firenze, 1893.

10 p. 23<sup>cm</sup>.

Estratto dal Bullettino della Società entomologica italiana, anno xxv, trimestre I, 1893.

**Franceschini, Felice.** Influenza del terreno e del clima sull' azione e diffusione della fillossera . . . Roma, 1895.

23 p. 23<sup>cm</sup>.

Estratto dagli Annali di agricoltura, n. 205.

**Franceschini, Felice.** Notizie sulla fillossera della vite (*Phylloxera vastatrix*) . . . Milano, 1879.

28 p. II pl. 24<sup>cm</sup>.

From Atti della Società italiana di scienze naturali, vol. xxii, 1879, p. 95-118.

**Franceschini, Felice.** . . . Studii sulla fillossera della vite; relazione a S. E. il ministro di agricoltura, industria e commercio . . . Roma, 1892.

14 p. front. 23½<sup>cm</sup>.

— — terza relazione. Roma, 1893.

23 p. 23½<sup>cm</sup>.

Estratto dagli Annali di agricoltura, n. 201.

**Frauenfeld, Georg, ritter von.** *Phylloxera vastatrix* . . . [Wien] 1872.

[567]-572 p. 22½<sup>cm</sup>.

From Verhandlungen der K. K. Zoologisch-botanischen gesellschaft in Wien, bd. xxii.

**Gastine, G.** Traitement des vignes phylloxérées; emploi du sulfure de carbone contre le phylloxéra, par G. Gastine & Georges Couanon . . . publié avec la collaboration de L. Gastine . . . Paris, G. Masson; [etc., etc.] 1884. Agr 3—186

276 p. illus., fold. tab. 22½<sup>cm</sup>.

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**Gennadius, P. G.** . . . *Περὶ τῆς ἐν Γαλλίᾳ πορείας τῆς φυλλοξήρας κατὰ τὸ λήξαι ἔτος καὶ περὶ τῶν αἰτιῶν τῆς ὑποτιμῆσεως τῶν οἴνων καὶ τῶν σταφίδων, ὑπὸ II. Γενναδίου . . . Ἐν Αθήναις, ἐκ τοῦ τυπογραφείου τοῦ Γπουργείου τῶν ἐσωτερικῶν*, 1884.

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2 p. l., 158 p., 1 l. illus. 18½<sup>cm</sup>.

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**Lichtenstein, Jules i. e. Wilhelm Auguste Jules.** Les cépages américains classés et annotés d'après les auteurs des États-Unis, offert à ses collègues des diverses sociétés dont il fait partie . . . Montpellier, 1874.

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**Loubet, L.** . . . Lettre . . . à M. le marquis de l'Espine . . . sur la maladie de la vigne. [Avignon, Impr. d'A. Chaillot, 1815]

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**Mandon, J. A.** Traitement anti-phylloxérique par l'absorption de l'eau phénolée, système déposé et breveté s. g. d. g. Mémoire présenté à l'Institut, par le D<sup>r</sup>. J.-A. Mandon . . . Limoges, E. Charles, 1883.

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**Marès, Henri Pierre Louis.** Phylloxéra. Des moyens pratiques de combattre la maladie de la vigne. Progrès de la maladie de la vigne pendant l'hiver; par M. Henri Marès . . . Montpellier, C. Coulet; [etc., etc.] 1874.  
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**Mazaroz, J. P.** Conclusion générale sur la destruction du phylloxéra de la vigne; procédé J.-P. Mazaroz . . . Nouvelles lettres. 2. éd. (rev. et cor.) Paris, Imprimerie centrale des chemins de fer, A. Chaix et c<sup>ie</sup>, 1879.  
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**Mazaroz, J. P.** Destruction du phylloxéra de la vigne par l'hygiène naturelle ainsi que par la culture de la vigne basée sur les engrais insecticides et reconstitutifs; mémoire adressé conformément à la loi des 22-26 juillet 1874 à M. le ministre de l'agriculture et du commerce; à MM. les sénateurs et députés membres des commissions parlementaires du phylloxéra, ainsi qu'à MM. les membres des conseils municipaux des communes et cantons vignobles de France, des cercles d'agriculture et des chambres de commerce, par J.-P. Mazaroz. 2. éd. rev., cor. et augm. Paris, G. Baillièrre et c<sup>ie</sup>, 1879.  
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**Monnier, Denis.** Le phylloxéra dans le canton de Genève d'août 1877 à février 1878; rapports au Département de l'intérieur, par MM. D. Monnier et E. Covelle . . . Genève [etc.] H. Georg, 1878.

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**New South Wales—Legislative council—Select committee on the vine diseases bill.** . . . Report from the Select committee on the vine diseases bill; together with the

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**Nicoleano, G. N.** . . . La lutte contre le phylloxéra en Roumanie; compte rendu des travaux depuis le commencement jusqu' en 1898, par G. N. Nicoleano . . . Bucarest, Imprimerie "Dreptatea," 1900.

1 p. l., ii, 169, [2] p., 1 l. illus. (incl. diagrs.) fold. map. 25½cm.

At head of title: Royaume de Roumanie. Exposition universelle 1900. Paris. Ministère de l'agriculture, du commerce, de l'industrie et des domaines. Service viticole.

**Pagès, Basile.** La vigne française à racines volantes vivant malgré le phylloxéra. Exposé fait à la séance de la Société centrale d'agriculture de l'Hérault le 5 janvier 1880, suivi d'autres considérations sur l'insecte dévastateur et de la culture du Jacquez en provins circulaires à demeure autour de la souche mère, par Basile Pagès . . . 4. éd. Béziers, Imprimerie générale, Granié et Malinas, 1884. Agr 4—3580

44 p. 4 pl. 21cm.

**Paris, Académie des sciences.** . . . Observations sur le phylloxéra et sur les parasitaires de la vigne, etc. . . . Paris, 1881.

2 p. l., [183]—184, 100 p. 28½ x 23cm.

Extraits des Comptes rendus . . . de l'Académie des sciences, t. xci et xciii, 1880 et 1881.

**Paris, Académie des sciences**—*Commission du phylloxéra*. . . . Avis sur les mesures à prendre pour s'opposer à l'extension des ravages du phylloxéra. Paris, Gauthier-Villars, 1877.

11 p. 28½ x 23cm.

At head of title: Institut de France. Académie des sciences. Commission du phylloxéra.

**Paris, Académie des sciences**—*Commission du phylloxéra*. . . . Commission du phylloxéra, Séance du 3 décembre 1874 . . . Paris, Gauthier-Villars, 1875.

cover-title, 50 p., 1 l. 28½ x 22½cm.

At head of title: Institut de France. Académie des sciences.

CONTENTS.—Exposé de la situation de la question à l'ordre du jour, par M. le président.—Observations sur la reproduction du phylloxéra de la vigne, par M. Balbiani.—Résumé des observations faites par M. M. Cornu.—Analyse chimique des diverses parties de la vigne saine et de la vigne phylloxérée, par M. Boutin aîné.—Note sur les vignes américaines qui résistent au phylloxéra, par M. Millardet.—Note sur les vins faits avec des cépages américains, par M. Pasteur.—Observations de M. Maurice Girard.—Note sur le traitement des vignes phylloxérées par le goudron de houille, par M. Alph. Rommier.—Résumé des expériences faites à la station viticole de Cognac dans le but de combattre le phylloxéra, par M. Mouillefert.—Application des sulfocarbonates alcalins à la guérison de la vigne; par M. Mouillefert.—Note sur les sulfocarbonates, par M. Dumas.

**Paris, Académie des sciences**—*Commission du phylloxéra*. . . . Instruction pratique sur les moyens à employer pour combattre le phylloxéra, et spécialement pendant l'hiver. Paris, Gauthier-Villars, 1876.

cover-title, 8 p. 28 x 22cm.

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**Paris, Académie des sciences**—*Commission du phylloxéra*. Rapport adressé à M. le ministre de l'agriculture et du commerce, par la commission instituée pour l'étude de la nouvelle maladie de la vigne. [Paris, Imprimerie nationale, 1871]

10 p. illus. 26cm.

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8 p. 27½ x 22½cm.

Extrait du tome LXXVIII des Comptes rendus . . . de l'Académie des sciences.



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 . . . Commission du phylloxéra . . . Comité de Cognac. Station viticole. Paris,  
 Impr. de Gauthier-Villars, 1875.

1 p. l., 16 p. 28 x 23<sup>cm</sup>.

At head of title: Institut de France. Académie des sciences.

**Peixotto, Benjamin Franklin.** Ravages of the phylloxera in France. Report  
 by Consul Peixotto . . . on the ravages of the phylloxera in France, and on the  
 several methods for its destruction. [Washington, 1882]

11-16 p. 23<sup>cm</sup>.

From the U. S. consular reports, vol VIII, no. 25, November, 1882.

**Pérez, Jean** . . . Instruction élémentaire sur le phylloxéra, par M. Pérez . . .  
 Bordeaux, Féret et fils, 1874.

20 p. 21½<sup>cm</sup>.

At head of title: Association française pour l'avancement des sciences. Groupe régional girondin.

**Perroncito, Edoardo.** Studi preliminari per combattere la fillossera ed altri  
 insetti nocivi; esperienze fatte coll' acido fenico, col timolo, colla creolina, col sol-  
 furo di carbonio, col solfo-carbonato e xantogenato di potassa. Nota 1. Torino, 1893.

27 p. 24<sup>cm</sup>.

"Estratto dagli Annali della R. Accademia d'agric. di Torino, vol. XXXVI. Adunanza del 28 maggio  
 1893."

**Petit, Louis.** Le phylloxéra; régénération de la vigne à l'aide d'un coaltar spécial,  
 par M. Louis Petit. . . . Nîmes, L. Bedot, 1874.

Agr 4-3583

69 p. fold. pl. 18½<sup>cm</sup>.

Le **phylloxéra** dans le canton de Neuchâtel, de juillet 1877 à mai 1878. Rapports  
 et documents officiels divers. . . . Neuchâtel, 1878.

118 p. vi col. pl. (incl. v fold. plans) 24<sup>cm</sup>.

**Pierre, Édouard.** L'oxyde de fer et le phylloxéra. Paris, Société anonyme  
 d'imprimerie et librairie administratives et des chemins de fer, 1880.

10 p., 1 l. 27 x 21<sup>cm</sup>.

**Planchon, Jules Émilé.** Conseils sur le traitement des vignes atteintes du phyl-  
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15 p. 22½<sup>cm</sup>.

Article extrait du *Messenger du midi*, N° du 30 juillet 1871.

"Note additionnelle (écrite en décembre 1871)": p. 14-15.

**Planchon, Jules Émile.** La défense contre le phylloxéra. Origine de cet  
 insecte; son extension en Europe; moyens d'en prévenir, d'en combattre on d'en  
 atténuer les ravages . . . [Paris, 1875]

74-97 p. 24½<sup>cm</sup>.

From *Annales agronomiques*, v. 1.

**Planchon, Jules Émile.** Des modes d'invasion des vignobles par le phylloxéra,  
 par J.-É. Planchon et J. Lichtenstein . . . Montpellier, 1869.

8 p. 24½<sup>cm</sup>.

Extrait du *Messenger du midi* (25 août 1869) et du *Messenger agricole du midi* (5 septembre 1869)

**Planchon, Jules Émile.** Essais préliminaires sur la destruction du phyl-  
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16 p. 18<sup>cm</sup>.

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**Planchon, Jules Émile.** Maladie de la vigne; conseils pratiques contre le phyl-  
 loxéra, par MM. J.-É. Planchon et J. Lichtenstein . . . Montpellier, 1870.

12 p. 24½<sup>cm</sup>.

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**Planchon, Jules Émile.** Maladie de la vigne; le phylloxéra; instructions prati-  
 ques adressées aux viticulteurs sur la manière d'observer la maladie du phylloxéra  
 et le phylloxéra lui-même, par J.-É. Planchon et J. Lichtenstein . . . Montpellier,  
 Typographie de P. Grolier, 1870.

18 p. illus. 21<sup>cm</sup>.

Publié par la Commission des vignes de l'Hérault, sur les fonds de la souscription publique contre  
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**Planchon, Jules Émile.** Les mœurs du phylloxéra de la vigne, résumé biologique . . . Montpellier, 1877.

8 p. col. pl. 25<sup>cm</sup>.

Extrait des Expériences faites à Las Sorres . . . —Résultats pratiques, etc. . . . Ouvrage pub. par la Commission départementale de l'Hérault pour l'étude de la maladie de la vigne.

**Planchon, Jules Émile.** Nouvelles observations sur le puceron de la vigne (*Phylloxera vastatrix* <nuper *Rhizaphis*, Planch.) . . . Montpellier, 1868.

12 p. 22<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

"Extrait des Comptes rendus de l'Acad. des scien., séance du 14 septembre 1868."

**Planchon, Jules Émile.** Le phylloxéra (de 1854 à 1873) résumé pratique et scientifique, par J.-É. Planchon et J. Lichtenstein . . . Montpellier, C. Coulet, 1873.

iv, [5]—40 p. col. pl. 24<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

**Planchon, Jules Émile.** Le phylloxéra de la vigne en Angleterre et en Irlande, par J.-É. Planchon et J. Lichtenstein . . . Montpellier, 1871.

7 p. 23<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

Extrait du *Messenger agricole du midi* (10 juillet 1871).

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56 p. 25<sup>cm</sup>.

Extrait de la *Revue des deux mondes*, livraisons des 1. et 15. février 1874.

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24 p. 22<sup>cm</sup>.

Caption title.

CONTENTS.—I. Rapport à M. le ministre de l'agriculture sur une mission aux Etats-Unis.—II. Rapport lu le 25 novembre 1873 devant la Société centrale d'agriculture de l'Hérault, au nom d'une commission spéciale.

**Planchon, Jules Émile.** Le phylloxéra et son action sur les divers cépages d'après M. C.-V. Riley, par J.-É. Planchon et J. Lichtenstein. [Montpellier, 1871]

4 p. 23<sup>cm</sup>.

"Extrait du *Messenger agricole du midi*, n° du 10 décembre 1871."

**Planchon, Jules Émile.** Premières expériences sur la destruction du puceron de la vigne: note lue devant la Société d'agriculture de l'Hérault, au nom d'une commission spéciale, dans la séance du 24 août 1868, par MM. Planchon et Saintpierre. Montpellier, Typographie de P. Grollier, 1868.

31 p. 22<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

**Planchon, Jules Émile.** La question phylloxérique en 1876 . . . Paris, 1877.

39 p. 24<sup>cm</sup>.

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**Planchon, Jules Émile.** Rapport adressé à M. le ministre de l'agriculture et du commerce, au sujet du Congrès phylloxérique international de Lausanne, par J.-E. Planchon . . . [Montpellier, Typ. Grollier, 1877]

7 p. 22<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

**Planchon, Jules Émile.** Rapport sur la maladie du phylloxéra dans le département de Vaucluse; résumé des études faites sous les auspices du Conseil général de Vaucluse . . . Avignon, 1870.

40 p. 22<sup>1</sup>/<sub>2</sub><sup>cm</sup>.

Extrait du *Bulletin de la Société d'agriculture et d'horticulture de Vaucluse* (livraison d'août 1870)

**Portugal—Comissão central anti-*phylloxerica* do sul do reino.** . . . [Relatorio] n° [1], 3; anno de 1882, 1884. Lisboa, 1883–85.

2 nos. maps. 30<sup>cm</sup>.

At head of title; Ministerio das obras publicas, commercio e industria.

**Portugal—Comissão de estudo e tratamento das vinhas do Douro.** . . . Relatorio da comissão de estudo e tratamento das vinhas do Douro, por Manuel Paulino de Oliveira. Lisboa, Imprensa nacional, 1880.

88 p., 1 l. fold. map. 30<sup>cm</sup>. (Ministerio das obras publicas, commercio e industria. Collecção de documentos officiaes, memorias e noticias ácerca da agricultura. Publicação official. No. 1)

**Portugal**—*Ministerio das obras publicas, commercio e industria.*—*Direcção geral de agricultura.* . . . Relatorio dos serviços anti-phyloxericos em 1887 na circumscripção do norte apresentado á Direcção geral de agricultura por Manuel Rodrigues Gondim, inspector de agricultura. Lisboa, Imprensa nacional, 1889.

cover-title, 83 p. fold. col. maps. 33<sup>cm</sup>.

. . . **Prime** notizie intorno alla fillossera delle viti e alle viti americane ad uso degli agricoltori. 2.-3. discorso . . . Firenze, Tipografia della Pia Casa di Patronato, 1888.

2 pts. illus. 20½<sup>cm</sup>. (2.-3. supplemento all' Agricoltura pratica, anno VII)

"Sunto bibliografico": 3. discorso, p. 13.

**Raynal, A. L.** Du refoulement progressif du phylloxéra en France jusqu'à son anéantissement et de la reconstitution de nos vignobles en cépages français, par A.-L. Raynal . . . Poitiers, Blanchier [etc.] 1879.

Agr 4—3591

2 p. l., 81 p., 1 l. 23<sup>cm</sup>.

**Reblaus-gesetze.** Sammlung der im Königreich Preussen geltenden reichs- und landesgesetzlichen vorschritten und sonstigen anordnungen zur verhütung der einschleppung und weiterverbreitung der reblaus, sowie zur bekämpfung derselben. Im amtlichen auftrage zusammengestellt. Abgeschlossen im Oktober, 1889. Berlin, P. Parey, 1890.

Agr 4—223

1 p. l., 117 p. 19<sup>cm</sup>.

**Rexès, F. G.** Le phylloxéra détruit et la vigne régénérée par l'emploi rationnel de la potasse, dont l'action, comme insecticide et comme engrais, est démontrée expérimentalement et par voie de déductions scientifiques d'à priori. Par F.-G. Rexès . . . Montdidier, Impr. administrative A. Radenez, 1876.

1 p. l., 31 p. 21<sup>cm</sup>.

— Post-face de la brochure: Le phylloxéra détruit et la vigne régénérée de F.-G. Rexès . . . [Angoulême, Impr. F. Lugeol et cie., 1876]

4 p. 21<sup>cm</sup>.

**Riley, Charles Valentine.** . . . Insectes nuisibles à la vigne (le puceron de la vigne—Phylloxera vitifoliae Fitch.) . . . (Traduction de M. J. Lichtenstein) [Montpellier, 1871]

341-351 p. 22½<sup>cm</sup>.

From Bulletin de la Société centrale d'agriculture et des comices agricoles du département de l'Hérault. 57. année. Octobre, novembre et décembre 1870.

**Riley, Charles Valentine.** Insects injurious to the grape-vine. The grape phylloxera—Phylloxera vastatrix Planchon. [Jefferson City, 1874]

30-87 p. illus. 23<sup>cm</sup>.

From the Sixth annual report on the noxious, beneficial and other insects of the state of Missouri.

**Riley, Charles Valentine.** Notes on the natural history of the grape phylloxera (Phylloxera vastatrix Planchon) . . . [St. Louis, 1878]

281-287 p. illus. 23<sup>cm</sup>.

From the Transactions of the Academy of science of St. Louis. vol. III., 1868-1877.

**Riley, Charles Valentine.** Ueber dem weinstock schädliche insekten. Die rebenphylloxera. Phylloxera vastatrix Planchon. (Unterordnung Homoptera, familie Aphididae) Von C. V. Riley. Vom verfasser autorisirte uebertragung . . . Heidelberg, C. Winter's universitätsbuchhandlung, 1878.

Agr 4—3596

77 p. 2 fold. pl. 23½<sup>cm</sup>.

Im auftrage des Dr. Ad. Blankenhorn für die "Annalen der oenologie" übersetzt durch Herrn Dr. Fr. Röder . . .

**Ritter, Carl.** Die entwicklungsgeschichte der reblaus, deren verbreitung und bekämpfung, von C. Ritter . . . 2. verb. und erweiterte aufl. . . . Neuwied [etc.] Heusers verlag (L. Heuser) 1893.

Agr 4—1772

85 p. fold. pl. 22½<sup>cm</sup>.



**Roesler, Leonhard.** Istruzione popolare sulla Phylloxera vastatrix del Prof. Dr. L. Roesler; traduzione libera dal tedesco, fatta col consenso dell' autore, dal Dott. Alberto Levi . . . Udine, Tipografia di G. Seitz, 1875.

30 p. illus. 25<sup>cm</sup>.

Pubblicazione per cura ed a spese dell' Associazione agraria friulana.

**Roesler, Leonhard.** Die Phylloxera vastatrix . . . [Wien, 1875]

pt. I-III. illus. 40 $\frac{1}{2}$ <sup>cm</sup>.

From Oesterreichisches landwirthschaftliches wochenblatt, 1875, nr. 1-3.

**Rohart, François Ferdinand.** Destruction pratique du phylloxéra . . . par F. Rohart . . . Paris, Typographie et lithographie de A. Michels, 1875.

cover-title, 8, [1] p. illus. 21<sup>cm</sup>.

**Rohart, François Ferdinand.** État de la question phylloxéra, moyens de prolonger les vignes atteintes, la submersion, régénération par les semis, les cépages américains, l'asphyxie souterraine: applications pratiques, enfouissement des bois injectés au sulfure de carbone, conséquences agricoles et commerciales de la destruction du phylloxéra, par F. Rohart . . . Paris, Librairie agricole de la maison rustique, 1875.

160 p. illus. 18 $\frac{1}{2}$ <sup>cm</sup>.

**Rommier, Alphonse.** Mémoires et notes divers sur le phylloxéra, par Alph. Rommier . . . Paris, Impr. de E. Donnaud, 1877.

cover-title, 1 p. l., [46] p. 22 $\frac{1}{2}$ <sup>cm</sup>.

Various paging.

**Rommier, Alphonse.** Nouvelles notes sur le phylloxéra, 1877, par A. Rommier. Paris, Impr. de E. Donnaud [1879?]

1 p. l., 7, 6 p. 22 $\frac{1}{2}$ <sup>cm</sup>.

At head of caption title: Société des agriculteurs de France.

CONTENTS:—Le phylloxéra dans le Maconnais pendant l'année 1877.—Sulfure de carbone et phylloxéra, travaux ordonnés par la Compagnie du chemin de fer de Paris-Lyon-Méditerranée; analyse du rapport de M. Catta communiqué au Congrès phylloxérique international de Lausanne.

**Sabaté, J.** Destruction du phylloxéra; les opérations nécessaires, par J. Sabaté . . . Paris, Impr. E. Donnaud, 1877.

30 p. illus. 19 $\frac{1}{2}$ <sup>cm</sup>.

**Sabaté, J.** . . . Traitement des vignes phylloxérées. [Paris, 1882]

4 p. illus. 23<sup>cm</sup>.

Extrait du Journal de l'agriculture du 11 février 1882.

**Sahut, Félix.** La défense du vin et la découverte du phylloxéra; discours prononcé à la salle des concerts du Grand-théâtre de Montpellier le mercredi, 4 avril 1900, par Félix Sahut . . . [Montpellier, Chez l'auteur, etc.] 1900.

36 p. 24<sup>cm</sup>.

**Signoret, Victor.** Du phylloxéra et de son évolution . . . [Paris, 1873]

3 p. 28 $\frac{1}{2}$  x 22 $\frac{1}{2}$ <sup>cm</sup>.

From Comptes rendus de l'Académie des sciences.

**Signoret, Victor.** Phylloxera vastatrix; hémiptère-homoptère de la famille des aphidiens; cause prétendue de la maladie actuelle de la vigne . . . Paris, Typographie et lithographie F. Malteste et c<sup>ie</sup>, 1870.

2 p. l., [549]-596 p. pl. 22 $\frac{1}{2}$ <sup>cm</sup>.

"Ouvrages à consulter pour les insectes nuisibles à la vigne": p. 589-596.

Extrait des Annales de la Société entomologique de France, 1869.

**Stoffel, Michel.** . . . Rapport sur la maladie de la vigne, par M. Michel Stoffel . . . Montpellier [Imp. Ricard frères] 1873.

13 p. 20 $\frac{1}{2}$ <sup>cm</sup>.

**Switzerland**—*Département fédéral du commerce, de l'industrie et de l'agriculture.* Le phylloxéra en Suisse durant l'année 1880-1881. Rapport du Département fédéral du commerce et de l'agriculture. Berne et Neuchâtel, 1881-82.

2 nos. maps. 23-24<sup>cm</sup>.

**Targioni Tozzetti, Adolfo.** . . . Delle più recenti infezioni fillosseriche della Germania e dell' impiego dei metodi curativi e delle viti americane in alcune provincie francesi . . . Firenze [1886]

22 p. 23½cm.

Supplemento al n. 4, del 27 febbraio 1886, anno v. L'agricoltura pratica.

— — — [Firenze, 1886]

28 p. 23cm.

From Atti della R. Accademia economico-agraria dei georgofili di Firenze. 4. ser., v. IX, disp. 1, p. [40]-67.

**Targioni Tozzetti, Adolfo.** La fillossera e le malattie delle viti in Italia dal 1873 al 1883; secondo la relazione della R. Stazione di entomologia agraria di Firenze per gli anni stessi, per Ad. Targioni Tozzetti. Firenze-Roma, Tipografia dei Fratelli Bencini, 1883.

88 p. 2 diagr. 22½cm.

**Targioni Tozzetti, Adolfo.** . . . Notizie e indicazioni sulla malattia del pidocchio della vite o della fillossera (*Phylloxera vastatrix*) da servire ad uso degli agricoltori, per il professore A. Targioni-Tozzetti . . . Roma, Tipografia Eredi Botta, 1879.

39 p. illus., col. pl. 22½cm. (Annali di agricoltura, 1879. Num. 11)

**Taverner, J. W.** . . . Report on phylloxera by the Hon. J. W. Taverner . . . Presented to both Houses of Parliament by His Excellency's command . . . Melbourne, R. S. Brain, government printer, 1899.

Agr 3—1266

10 p. fold. map. 34cm.

At head of title: 1899. Victoria.

**Tisserand, Eugène.** Rapport sur les travaux administratifs entrepris contre le phylloxéra et sur la situation du vignoble français pendant l'année 1885, par M. Tisserand . . . Paris, Imprimerie nationale, 1886.

14 p. 24½cm.

Séance de la Commission supérieure du phylloxéra du 1<sup>er</sup> mars 1886.

**Trimoulet, A. Henri.** . . . Mémoire sur la maladie de la vigne, le phylloxéra, cause ou effet . . . Bordeaux, 1873.

14 p. 24½cm.

Extrait des Actes de la Société linnéenne de Bordeaux, t. XXVIII, 5. et 6. liv., 1873.

**Ueber den jetzigen stand der phylloxerafrage.** [Karlsruhe, Druck von F. Gutsch, 1879?]

7 p. 22cm.

Caption title.

**Vaud, Switzerland (canton)**—*Département de l'agriculture et du commerce.* . . . Phylloxéra; rapport du Département de l'agriculture et du commerce sur l'exercice de 1886. Lausanne, Imprimerie Jaunin frères, 1887.

16 p. 20cm.

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**Vernière, P.** . . . Le sulfure de calcium, remède curatif et préventif contre le phylloxéra; exposé théorique de la question et conseils pratiques aux agriculteurs . . . Montpellier, C. Coulet, 1874.

16 p. 21cm.

**Vialla, Louis.** Le phylloxéra et la nouvelle maladie de la vigne; étude comprenant: 1. Le rapport de la commission nommée par la Société des agriculteurs de France pour étudier la nouvelle maladie de la vigne, par M. L. Vialla. 2. Des notes entomologiques sur le *Phylloxera vastatrix*, pour faire suite au Rapport de M. Vialla, par MM. J.-É. Planchon et J. Lichtenstein . . . Montpellier, C. Coulet; [etc., etc.] 1869.

2 p. l., 84 p. illus. 22½cm.

**Victoria, Australia—Dept. of agriculture.** . . . Papers respecting the Phylloxera vastatrix or new vine scourge. Published by the Department of agriculture for the information of the public generally. Melbourne, J. Ferres, government printer, 1873.

Agr 4—1876

cover-title, 21 p. plates. 21<sup>cm</sup>.

**Wasmann, Eric.** . . . Die reblaus. [n. p., 1895]

34 p. 22½<sup>cm</sup>.

Caption title.

Sonder-abdruck aus den "Stimmen aus Maria-Laach." Freiburg i. B., 1894 u. 1895.

**Wheeler, John H.** . . . Investigation du phylloxéra en Californie, par John H. Wheeler . . . Traduction de M. Morlot . . . [Paris, 1882]

4 p. 23½<sup>cm</sup>.

Extrait du Journal de l'agriculture (octobre 1882)

**Wittmack, Ludewig i. e. Max Carl Ludewig.** Die reblaus. (Phylloxera vastatrix.) Im auftrage des Königlich preussischen ministeriums für die land-wirtschaftlichen angelegenheiten, bearb. von Dr. L. Wittmack . . . Berlin, E. Schotte & Voigt, 1875.

Agr 4—3629-30

25 p. illus. 22½<sup>cm</sup>.

— — 2. verb. und verm. auf . . . Berlin, E. Schotte & Voigt, 1875.

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4 pts. in 1 v. 23 col. pl. 30 $\frac{1}{2}$ cm.

Each part has two title pages, one for the whole work, and one for the special part.

CONTENTS.—1. heft. Naturgeschichte der insekten-gattungen Solpuga und Phalangium. Von Lichtenstein und Herbst. 1797.—2. heft. Naturgeschichte der insectengattung Opilio. 1798.—3. heft. Fortsetzung der naturgeschichte der insectengattung Opilio. 1799.—4. heft. Naturgeschichte der skorpionen. 1800.

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## FAMILIES.

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Agr 5—521

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**Moniez, Romain Louis.** Note sur l'Eylais erythrina. *See his* Sur un strongyle under Tyroglyphidæ, p. 469.

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27 p. 21<sup>cm</sup>.

Separat-abdruck aus Giebel's "Zeitschrift für die gesammten naturwissenschaften." bd. 42.

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36 p. 3 pl. 27<sup>cm</sup>. (Nova acta der Ksl. Leop.-Carol. Deutschen akademie der naturforscher. Bd. xxxiii. Nr. 2)

**Thomas, Friedrich August Wilhelm.** Entwicklungsgeschichte zweier Phytoptus-gallen an Prunus . . . [Halle, 1872]

10 p. 20½<sup>cm</sup>.

From Zeitschrift für die gesammten naturwissenschaften. bd. xxxix. p. 193-202.

**Thomas, Friedrich August Wilhelm.** Die rote stachelbeer-milbe, Bryobia nobilis C. L. Koch (?), ein in Deutschland bisher nicht beachteter schädiger des stachelbeerstrauches . . . [Berlin, 1894]

488-496 p. illus. 24½<sup>cm</sup>.

"Litteratur": p. 493-495.

"Aus Wittmack's, Gartenflora", 43. jahrg., 1894."

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2 p. 23<sup>cm</sup>.

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"Nachträgliche notiz zu dem aufsatze über schweizerische milbengallen . . .": p. 472-475.

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[740]-745 p. 21½<sup>cm</sup>.

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**Thomas, Friedrich August Wilhelm.** Suldener phytoptocecidien . . . Wien, 1886.

14 p. 22½<sup>cm</sup>.

Aus den Verhandlungen der K. K. Zoologisch-botanischen gesellschaft in <jahrg. 1886> besonders abgedruckt.

**Thomas, Friedrich August Wilhelm.** . . . Ueber einige neue deutsche cecidien . . . [Berlin, 1882]

[50]-53 p. 24<sup>cm</sup>.

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**Thomas, Friedrich August Wilhelm.** Ueber Phytoptus Duj. und eine grössere anzahl neuer oder wenig gekannter missbildungen, welche diese milben an pflanzen hervorbringen . . . Halle a/S., 1869.

1 p. l., [313]-366 p. pl. 21<sup>cm</sup>.

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**Canestrini, Giovanni.** . . . Demodicidæ und Sarcoptidæ bearb. von Prof. G. Canestrini . . . und Prof. P. Kramer . . . Ausgegeben im april 1899. Berlin, R. Friedländer und sohn, 1899.

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"Litteratur-kürzungen": p. [vi]-viii.

## TARDIGRADA.

**Schultze, Karl August Sigismund.** Echiniscus Creplini, animalculum e familia Arctiscoidum, quod Friderico Christiano Henrico Creplino . . . sacra semi-sæcularia summorum artis honorum vigesimo septimo mensis Iulii die anni MDCCCXI ab ordine medicorum gryphico acceptorum ex ipsius ordinis mandato gratulabundus, dedicavit et descripsit Dr. Car. Aug. Sigism. Schultze . . . Gryphiæ, Typis F. G. Kunike Reg. Univers. typogr. [1861]

12 p. pl. 26 x 21<sup>cm</sup>.

**Shipley, Arthur Everett.** . . . An attempt to revise the family "Linguatulidæ" . . . Paris, 1898.

cover-title, [52]-80 p., 1 l. illus. 25<sup>cm</sup>.

"Literature:" p. 80.

"Extrait des Archives de parasitologie, I, n° 1, p. 52, année 1898."

**Stiles, Charles Wardell.** Bau- u. entwicklungsgeschichte v. Pentastomum proboscideum Rud. und Pentastomum subcylindricum Dies. . . . Leipzig, 1891.

cover-title, [85]-157 p. VII-VIII fold pl. 23½<sup>cm</sup>.

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**L'Abeille**; journal d'entomologie fondé par S. de Marseul, 1864-1904. v. 1-30, no. 10. plates. 8° (v. 1-27, 12°) Paris [1864]-1904.

Vol. 1-26 ed. by S. A. de Marseul; v. 27-30 by Société entomologique de France.

Vol. 1-10, title reads: *L'Abeille; mémoires d'entomologie par M. S.-A. de Marseul . . . avec la collaboration de plusieurs membres de la Société entomologique de France et autres entomologistes distingués.*

**Algiers (Département)**—*Syndicat de défense contre le phylloxéra.* . . . Bulletin officiel du Syndicat de défense contre le phylloxéra (loi du 28 juillet 1886) et revue de viticulture algérienne . . . [1.]—12. année. no. 1-56, 1887-1898. illus., plates. 8°. Alger, 1888-[98]

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**Allgemeine entomologische gesellschaft.** See *Allgemeine zeitschrift für entomologie.*

**Allgemeine zeitschrift für entomologie**; organ der "Allgemeinen entomologischen gesellschaft"; internationales organ für die interessen der allgemeinen und angewandten entomologie wie der insekten-biologie, April, 1896—Dec. 15, 1904. v. 1—9. illus. 4°. Neudamm [1896-1904]

Vol. 1-2, title reads: *Illustrierte wochenschrift für entomologie; internationales organ für alle interessen der insektenkunde; offizielles organ der Berliner entomologischen gesellschaft.*

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Vol. 1-2 pub. weekly; v. 3-9 pub. semi-monthly.

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**Harrisburg. Pennsylvania silk convention, 1839**. See *Pennsylvania silk convention, Harrisburg, 1839*.

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A 2d ed. of 1st report pub. in Bloomington in 1903. 1st report has title: First annual report on the noxious insects of the state of Illinois. By Benj. D. Walsh . . . From the appendix to the Transactions of the Illinois state horticultural society. Chicago, 1868. [2d]-[4th] reports have title: First [-third] annual report of the noxious insects of the state of Illinois. By William Le Baron . . . 1871-73. [5th] report has title: Fourth annual report on the noxious and beneficial insects of the state of Illinois. By William Le Baron . . . 1874. 6th report has title: Sixth report of the State entomologist (Walsh, 1, Le Baron, 4, Thomas, 1) on the noxious and beneficial insects of the state of Illinois. The first biennial report by Cyrus Thomas . . . 7th-11th reports have titles: Seventh [-eleventh] report of the State entomologist . . . on the noxious and beneficial insects of the state of Illinois. Second [-sixth] annual report by Cyrus Thomas. 1878-82. 12th-14th have title: Twelfth [-fourteenth] report of the State entomologist on the noxious and beneficial insects of the state of Illinois. First [-third] annual report of S. A. Forbes for the year 1882-[84]

In place of an annual report for 1885, a collection of essays entitled: "Miscellaneous essays on economic entomology by the State entomologist and his entomological assistants" was published as an appendix to the Transactions of the Department of agriculture . . . of Illinois for . . . 1885. After 1884 reports were not published annually.

15th-22d reports have titles: Fifteenth [-twenty-second] report of the State entomologist on the noxious and beneficial insects of the state of Illinois. Fourth [-eleventh] report of S. A. Forbes. 1889-1903.

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**Illustrierte wochenschrift für entomologie**. See **Allgemeine zeitschrift für entomologie**.

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By E. P. Stebbing.

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**Insect world**, a monthly magazine, Jan. 15, 1898-Dec. 15, 1904. v. 2-8. plates. 8°. Gifu, Japan [1898-1904]

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Vol. 4-8 published by the Nawa entomological laboratory, Gifu, Japan.

**Insekten-börse**; internationales wochenblatt der entomologie, Jan. 1-Sept. 15, 1885; 1889; 1891; Aug. 1, 1893-Dec. 15, 1894; Dec. 29, 1898; Jan. 26, 1899; Jan. 30, 1902-Dec. 22, 1904. v. 2, no. 1-18; v. 6; v. 8; v. 10, no. 15-v. 11; v. 15, no. 52; v. 16, no. 4; v. 19, no. 5-v. 21. f°. Leipzig [1885-1904]

Incomplete,

Vol. 2-11 published semi-monthly.

Vol. 2-11, title reads; *Insekten-börse, internationales organ der entomologie*.

**L'intermédiaire** des bombyculteurs & entomologistes [monthly] Dec. 1901; Jan.—May, Dec. 1902; Feb.-Mar., May 1903; Jan., May, Dec. 1904. v. 1, no. 12; v. 2, no. 13-17, 24; v. 3, no. 26-27, 29; v. 4, no. 37, 41, 48. 8°. Chomérac [1901-04]

**Internationaler entomologenverein**. See *Societas entomologica*.

**Iris**. See *Deutsche entomologische zeitschrift* hrsg. von der Gesellschaft Iris zu Dresden.

**Italy**. *Società entomologica italiana*. See *Società entomologica italiana*.

**Jahrbücher** der insectenkunde, mit besonderer rücksicht auf die sammlung im Königl. Museum zu Berlin, hrsg. von Dr. Fr. Klug . . . 1. bd. viii, 296 p. 11 col. pl. 12°. Berlin, T. C. F. Enslin, 1834.

No more published.

**Journal** of entomology, descriptive and geographical, Apr. 1860—June 1866. 2 v. plates. 8°. London, 1862-65.

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Vol. 5, 1847-49, contains index v. 1-5, 1834-49; n. s. v. 5, 1858-61, contains index n. s. v. 1-5, 1850-61.

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Vol. 1, ed. by E. F. Germar; v. 2-4, ed. by E. F. Germar and J. L. T. F. Zincken, genannt Sommer. No more published.

**Magazin für die liebhaber der entomologie**. 2 v. illus. 8°. Zürich, 1778-79.

Ed. by J. C. Füessly.

Continued under the title: *Neues magazin für die liebhaber der entomologie*.

**Magazin für insektenkunde**, 1801-07. v. 1-6. 8°. Braunschweig, 1802-07.

Ed. by Karl Illiger.

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No more published.

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Ed. by A. Trotter.

**Marseille. Université—Faculté des sciences—Section de zoologie agricole**. Annales de la Faculté des sciences de Marseille, publiées sous les auspices de la municipalité et avec le concours du Conseil général des Bouches-du-Rhône. Section de zoologie agricole. Année 1898-1900, 1902. plates. 4°. Paris, 1898-1902.



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**Minnesota**—*Entomologist.* Annual report, 2d-9th, 1896-1904. illus. 8°. St. Paul, 1896-1904.

No report published for 1901.

7th published as Bulletin 77 of the Agricultural experiment station, under the title: Insects notably injurious in 1902.

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**Mississippi silk company.** Circular no. 2 . . . 8°. Aberdeen, Miss., Examiner job office print, 1882.

**Missouri**—*Entomologist.* See **Riley, C. V.** Annual report.

**Moscow.** **Société impériale de naturalistes de Moscou.** Bulletin; partie entomologique. 1829-33. v. 1-6. plates. 8°. Paris, 1836.

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In 1 v., paged continuously: 2 p. 1., xxviii, 386 p.

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Ed. by Karl Daniel and Josef Daniel.

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**National mosquito extermination society.** Bulletin no. 1. Nov. 1904. illus. 8°. [n. p., 1904]

**Nawa entomological laboratory, Gifu, Japan.** See **Insect world.**

**Nederlandsche entomologische vereeniging.** Handelingen der Nederlandsche vereeniging. 1. deel, 1.[-4.] stuk . . . 4°. Leiden, P. W. M. Trap, 1854-[57]

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Paged continuously: 2 p. 1., 109 p., 1 l.

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No more published.

**Nederlandsche entomologische vereeniging.** See also **Tijdschrift voor entomologie.**

**Neues magazin für die liebhaber der entomologie.** 3 v. in 1. 12°. Zürich, 1782-[86]

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Ed. by J. C. Füessly.

For earlier series, see **Magazin für die liebhaber der entomologie.**

**New Jersey**—*State board of agriculture.* Entomological circular. no. 1-20. 8°. [n. p., 1898]

**New South Wales**—*Dept. of agriculture.* Entomological bulletin. no. 1. 8°. Sydney, 1891.

**New South Wales, Entomological society of.** See **Entomological society of New South Wales.**

**New York entomological club.** See **Papilio.**

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**New York (state)—Entomologist.** Report of the State entomologist to the regents of the University of the state of New York. For the year 1883. illus. 8°. [Albany, 1884]

By J. A. Lintner.

From the Thirty-seventh annual Report of the State museum of natural history.

**New York (state)—Entomologist.** First[–19th] report on the injurious and other insects of the state of New York, for . . . 1881–1903. illus., plates. 8°. Albany, 1882–1904.

1st–13th, by J. A. Lintner; 14th–19th, by E. P. Felt.

3d–13th, from the Report on the New York state museum; 14th–19th are Bulletin no. 24, 31, 36, 53, 64, 76 of the New York state museum.

**New York (state)—Entomologist.** See also **Fitch, Asa.**

**Nickerl, Ottokar.** Bericht über die im jahre 1879[–80, 1885, 1890] der land-wirtschaft Böhmens schädlichen insecten, von Dr. O. Nickerl. 8°. Prag, 1880–91.

**Niederlausitz. Verein zur beförderung des seidenbaues.** See **Verein zur beförderung des seidenbaues in der mark Brandenburg und Niederlausitz.**

**North American entomologist;** ed. by A. R. Grote, July 1879–June 1880. v. 1. illus., plates. 8°. Buffalo [1880]

No more published.

**North Carolina—Department of agriculture—Division of entomology.** Entomological circular, Sept. 30, 1903–Oct. 20, 1904. no. 1–12. illus. 8°. Raleigh, [1903–04] Franklin Sherman, entomologist.

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**Norway—Statsentomolog.** See **Schøyen, W. M.** Beretning om skadein-sekter.

**Ontario, Entomological society of.** Annual report, 1st–34th 1870–1903. illus., plates. 8°. Toronto, 1871–1904.

1st, title reads: 1st annual report of the noxious insects of the province of Ontario.

1st, published with Annual report of the Fruit growers' association of Ontario for 1870; never published separately.

— General index to the 13 annual reports, 1870–82. 35 p. 8°. Toronto, 1883.

**Ontario—Inspector of fumigation appliances.** Report, 1899–1903. illus. 8°. Toronto, 1900–04.

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**Ormerod, Eleanor Anne.** Observations of injurious insects and common farm pests during the year [1877]–1900, with methods of prevention and remedy. By Eleanor A. Ormerod . . . fronts. (incl. 2 port.) illus., plates. 8°. London, Simpkin, Marshall, Hamilton, Kent & co., ltd., 1878–1901.

Reports for 1877, 1879–80 have title: **Notes of observations of injurious insects**; report for 1882 has title: **Report of observations of injurious insects during the year 1882, with methods of prevention and remedy, and special report on wireworm**; reports for 1883–97 have title: **Report of observations of injurious insects and common farm pests during the year 1883–97, with methods of prevention and remedy** . . .

Imprint of Report, 1877: London, T. P. Newman; imprint of Reports, 1879 & 1880: London, W. S. Sonnenschein & Allen.

— — General index by Robert Newstead . . . to Annual reports of observations of injurious insects 1877–1898. By Eleanor A. Ormerod . . . with preface by the author. x, [2], 58 p. 8°. London, Simpkin, Marshall, Hamilton, Kent & co., limited, 1899.

**Packard, Alpheus Spring.** First [-third] annual report on the injurious and beneficial insects of Massachusetts. By A. S. Packard, jr., M. D., entomologist to the State board of agriculture. illus. 8°. Boston, Wright & Potter, printers, 1871-73.

Title of 2d and 3d reports reads: **Second [-third] annual report on the injurious and beneficial insects of Massachusetts.** Made to the State board of agriculture.

Imprint of 3d report: Salem, Naturalists' agency, 1873.

**Papilio**, devoted exclusively to Lepidoptera, Jan. 15, 1881-Nov. 1884. v. 1-4. illus. 8°. New York and Philadelphia, 1881-84.

No more published.

Vol. 1-2, title reads: **Papilio**, the organ of the New York entomological club, devoted exclusively to Lepidoptera.

Vol. 1-3 ed. by Henry Edwards; v. 4 ed. by Eugene M. Aaron.

**Pennsylvania silk convention, Harrisburg.** Proceedings of the Pennsylvania silk convention held at Harrisburg on the 22d and 23d days of February 1839. Printed by order of the Senate, March 26, 1839. 36 p. 21<sup>cm</sup>. Harrisburg, Printed by E. Guyer, 1839.

**Petites nouvelles entomologiques** [semi-monthly] July 1, 1869-Mar. 15, 1879. v. 1-2 (années 1-11) f°. Paris, 1869-79.

United in 1881 with *Le naturaliste*.

**Philadelphia, Entomological society of.** *See American entomological society, Philadelphia.*

**Le Phylloxéra;** comités d'étude et de vigilance; rapports et documents, 1877-1879. vol. I-III. 11 fasc. maps. 8°. Paris, 1877-79.

**Portugal.**—*Comissão central anti-phyloxerica do norte.* Relatorio annual da comissão central anti-phyloxerica do norte. 1882-1883. 4°. Porto, 1883. (*On cover:* Ministerio das obras publicas, commercio e industria. Collecção de documentos officiaes, memorias e noticias ácerca da agricultura. Publicação official. No. 4)

**Portugal.**—*Comissão central anti-phyloxerica do norte.* . . . Relatorio dos serviços technicos em 1883-1884. maps. f°. Lisboa, 1884-85. (Ministerio das obras publicas, commercio e industria . . . Publicação official. No. 5-6)

**Portugal.**—*Comissão central da phylloxera.* . . . Relatorio dos trabalhos da comissão central da phylloxera em 1880-1881, por M. C. Rodrigues de Moraes. maps. f°. Lisboa, 1881-82. (Ministerio das obras publicas, commercio e industria; collecção de documentos officiaes, memorias e noticias ácerca da agricultura. Publicação official. No. 2-3)

**Portugal**—*Comissão central dos serviços phylloxericos* . . . Administração. 1880-1881. Relatorio annual, pelo visconde de Villar d'Allen. plates, plan. 4°. Porto, 1881.

At head of title: *Comissão central dos serviços phylloxericos.*

The **Practical entomologist**, Oct. 1865-Sept. 1867. v. 1-2. illus. 4°. [Philadelphia] Entomological society of Philadelphia [1865-67] 3-26801

Caption title: The Practical entomologist. A monthly bulletin, pub. by the Entomological society of Philadelphia . . . [later "American entomological society"]

Vol. 1, E. T. Cresson A. R. Grote, J. W. McAllister, publication committee and editors, R. D. Walsh, associate editor. v. 2, B. D. Walsh, editor.

No more published.

**Prague.** **České společnosti entomologické.** *See České společnosti entomologické.*

**Prague.** **Societas entomologica Bohemiae.** *See České společnosti entomologické.*

**Psyche**, a journal of entomology [monthly] May 1874-Dec. 1904. v. 1-11. illus., plates. 8°. Cambridge, Mass., 1877-1904.

Vol. 1-3, title reads: **Psyche**, organ of the Cambridge entomological club.

**Reale stazione di entomologia agraria di Firenze.** *See Florence. Reale stazione di entomologia agraria di Firenze.*



**Record of American entomology for . . . 1868-73.** 8°. Salem, 1869-[74]

Wanting 1869, p. 30-32.

Ed. by A. S. Packard.

**"Redia", giornale di entomologia, pubblicato dalla R. Stazione di entomologia agraria in Firenze.** 1903-04. v. 1. illus. 4°. Portici, 1903-04.

Ed. by Antonio Berlese.

**Reuter, Enzo.** Berättelse öfver skadeinsekters uppträdande i Finland under åren 1894-1903. no. [1]-9. 8°. Helsingfors, 1895-1904. (Finland—Landtbruksstyrelse. Landtbruksstyrelsens meddelanden. no. 7, 21, 23, 26, 32, 35, 39, 45, 47)

no. [1] report for 1894, title reads: Berättelse öfver med understöd af landtbruksstyrelsen sommaren 1894 värkställda undersökningar beträffande ängsmasken och andra skadeinsekter.

**Revue coléoptérologique** publiée par Constant van den Branden [monthly] Feb.-May, 1882. année 1, no. 1-4. 4°. Bruxelles, Berlin, 1882.

**Revue d'entomologie;** publiée par la Société française d'entomologie [monthly] Jan. 1882-Dec. 1904. v. 1-22. plates. 8°. Caen, 1882-1904.

Vol. 10 contains index v. 1-10.

**Revue entomologique,** publiée par Gustave Silberman. 5 v. plates. 8°. Strasbourg, 1833-37.

**Revue russe d'entomologie.** 1901-04, no. 5. v. 1-4, no. 5. illus. 8°. Jaroslavl, 1901-04.

Title-page in Russian and French.

**Riley, Charles Valentine.** First [-ninth] annual report on the noxious, beneficial and other insects, of the state of Missouri, made to the State board of agriculture, pursuant to an appropriation for this purpose from the Legislature of the state. By Charles V. Riley, state entomologist. 9 nos. in 3 v. illus. 8°. Jefferson City, Mo., 1869-77.

Agr 5-232-3

— — — General index and supplement to the nine reports of the insects of Missouri. By C. V. Riley . . . 177, [1] p. 8°. Washington, Gov't print. off., 1881. (Department of the interior. United States entomological commission. Bulletin no. 6)

**Rochester society of natural sciences.** Transactions. no. 1. 8°. Rochester, F. D. Phinney, 1880.

**Rovartani lapok,** havi folyóirat különös tekintettel a hasznos és kártékony rovarokra, Jan. 1884-Dec. 1885; Jan.-Dec. 1897; Jan. 1899-Dec. 1904. v. 1-2, 4, 6-11. illus., plates. 8°. Budapest, 1884-[1904]

**Royal Dublin society.** See **Carpenter, G. H.** Injurious insects.

**Russia.** Societas entomologica Rossica. See **Societas entomologica Rossica.**

**Russkoe entomologicheskoe obozriénie.** See **Revue russe d'entomologie.**

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**Salatiga, Java.** Proefstation voor cacao. Bulletin. no. 1-3, 5-8, 10. illus. 8°. Semarang-Soerabaia & Malang, 1901-04.

No. 6 is Jaarverslag 1902/1903.

No. 2-3, 5, overgedrukt uit de Nieuwe gids, III, aflev. 11 en 12, maart 1902; IV, aflev. 2 en 3, juni 1902; IV, aflev. en 12, april 1903.

No. 8, 10, overgedrukt uit de Cultuurgids, V, aflev. 10 en 11, januari 1904; VI, aflev. 9, december 1904.

**Schøyen, Wilhelm Maribo.** Beretning om skadeinsekter og plantesygdomme i 1891-1903. Af W. M. Schøyen, statsentomolog. illus. 8°. Christiania [1892]-1903.

1891, title reads: Indberetning fra landbrugsentomologen om de i aaret 1891 modtagne forespørgelser og anstillede undersøgelser angaaende skadeinsekter og plantesygdomme.

**Schweizerische entomologische gesellschaft.** Mittheilungen. Jan. 1866-Nov. 1903. v. 2-11, no. 1. illus. 8°. Schaffhausen, 1868-1903.

**Sherman, Franklin.** *See North Carolina—Department of agriculture—Division of entomology.*

**Società entomologica italiana.** *Bulletino.* 1869–Dec. 1902. v. 1–9; v. 12, pt. 1–3; v. 13; v. 14, pt. 1–2; v. 15, pt. 2–3; v. 16, pt. 3–4; v. 17, pt. 3–4; v. 18, pt. 4; v. 19–31; v. 34, no. 4. illus. 8°. Firenze, 1869–1903.

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